

A futuristic digital landscape featuring a large, glowing tree structure composed of fiber optic cables. The tree's trunk and branches are illuminated with bright blue and white light, creating a sense of depth and connectivity. A bright, circular light source is visible in the upper left corner, casting a strong glow over the scene. The ground is a reflective surface of fiber optic cables, mirroring the tree and the light source. The background is a dark, starry space with blue and green nebulae, suggesting a vast, interconnected network.

2026 Full Products

**ARCHITECTING THE FUTURE OF
INTELLIGENCE WITH PHOTONICS**

LITEON[®]

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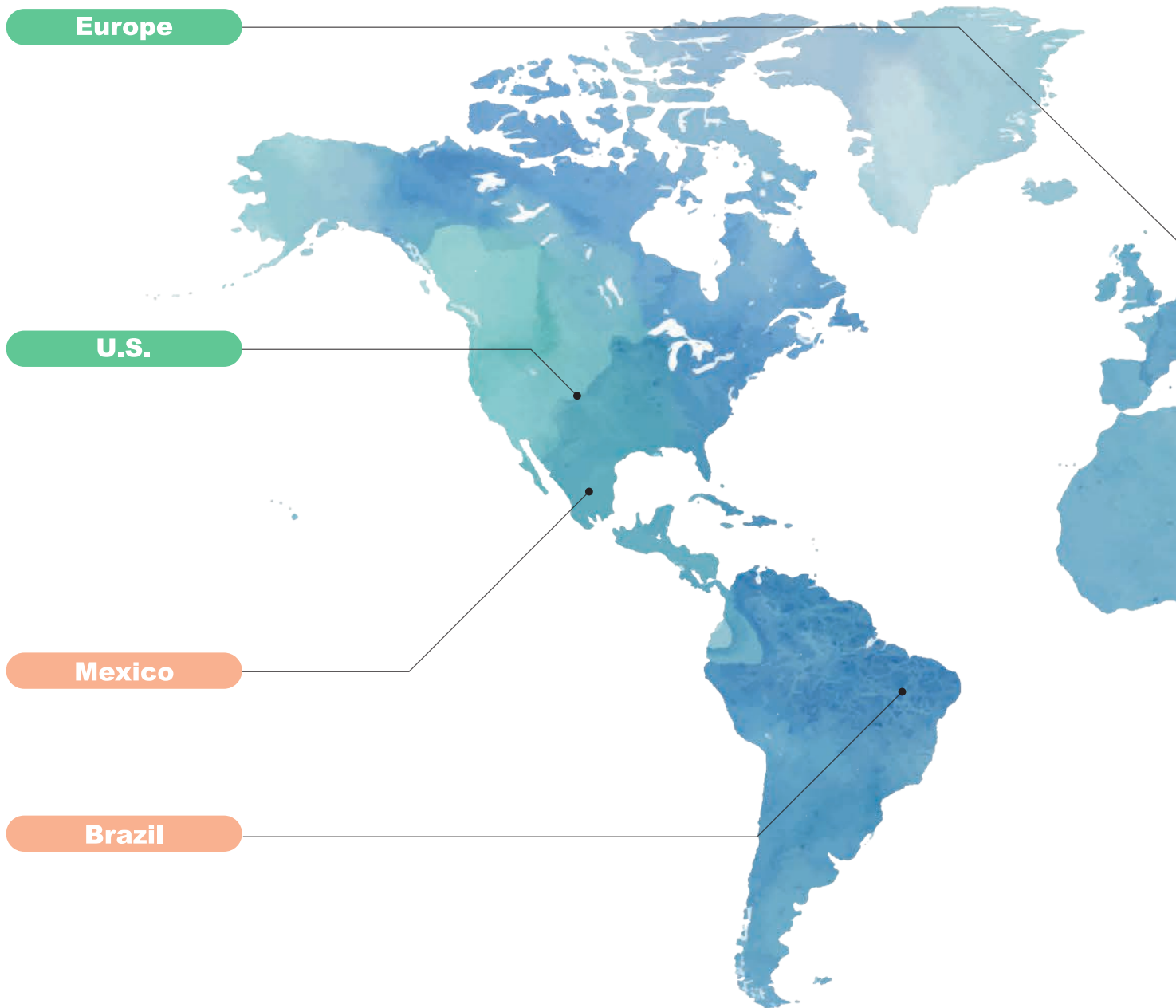
Powering A Bright And Sustainable Future Together

50+ Years of Industry Leadership

Founded in 1975, LITEON is a world-leading provider of opto-electronic semiconductor and power managements, which offer reliable advanced solutions powering cloud computing, automotive electronics, 5G, and AIoT.


Services Around the Globe

LITEON operates globally with manufacturing facilities across Asia, North and South America, which has a broad network of suppliers, partners, distributors, and customers worldwide.



 Headquarters

 Major Manufacturing Site

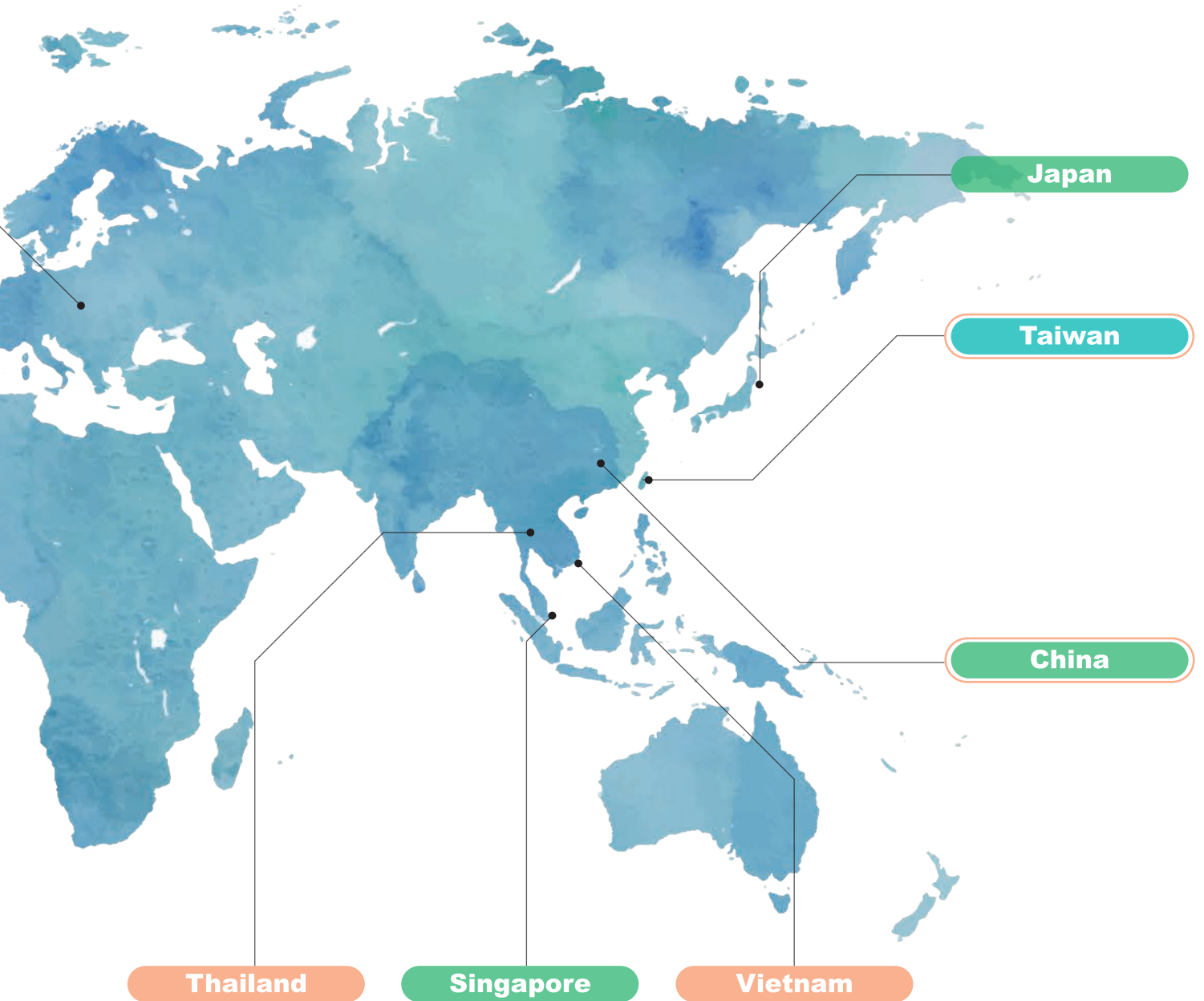
 R&D and Business (Sales and Other Management) Center

Solid Business Performance

LITEON offers a broad array of solutions to fulfill the ever-evolving market demands of our global customers, positioning us to reach the top global position in photocoupler shipments and rank as top 2 power supply provider with USD 5.3B revenue (FY2025) and strong profitable growth in 2025.

Global Sustainability Advocate

For decades, LITEON have been advocating socially and environmentally responsible corporate practices that reflect our core values. Our sustainable efforts have been acknowledged with inclusion in the MSCI ESG Leaders Indexes and Dow Jones Sustainability Indices for 10 and 14 consecutive years, respectively, as well as Prime Status by ISS ESG rating.





Creating Infinite Possibilities for a Bright Future

LITEON Optoelectronics Product Solution SBU (LITEON OPS) is a worldwide leading provider of optoelectronic semiconductors. Our leading role is backed by the broadest and most widely varying product offering in Optical technologies, ranging from illumination to sensing, from low power to high power, from commodity to custom-made, from LED to Laser, from visible lights to infrared & UV.

As an experienced supplier in professional packaging designing and manufacturing, LITEON OPS not only has been able to provide customers with high-quality optoelectronic component solutions, but also has been constantly pursuing high-performance and low-pollutant light sources that make lives Smarter, Safer and Greener.

Together, we work to enrich lives and shape the future!

For more information, please visit us online at www.liteon.com/opto

UV LED

Ceramic UVA	LTPL-C16UVM	1.6(L)x1.6(W)x0.8(H)mm	Ceramic UVA	LTPL-C034UVG	3.45(L)x3.45(W)x2.1(H)mm
	<ul style="list-style-type: none"> • CSP-ceramic based. • Low power. • Miniature size package. • Long life time. • High efficiency. • Low CO2 consumption. • 365nm: 19mW at 20mA. • 385nm: 23mW at 20mA. • 405nm: 25mW at 20mA. 	<ul style="list-style-type: none"> • Resin/Ink curing. • Tooth whitening. • Money & ID detect. • Forensic applications. • Fluorescent light source. 		<ul style="list-style-type: none"> • CSP-ceramic based. • Low power. • Miniature size package. • Long life time. • High efficiency. • Low CO2 consumption. • 275nm: 6.5mW at 37mA. 	<ul style="list-style-type: none"> • Tanning. • Resin curing. • Tooth whitening. • Security, banknote. • Forensic applications. • Fluorescent light source. • Insect trap. • Air Care.
Ceramic UVA	LTPL-C036UVG	3.45(L)x3.45(W)x3.2(H)mm	Ceramic UVA	LTPL-F16UVC	1.6(L)x1.6(W)x0.76(H)mm
	<ul style="list-style-type: none"> • CSP-ceramic based. • Low power. • Miniature size package. • Long life time. • High efficiency. • Low CO2 consumption. • 275nm: 6.5mW at 38mA. 	<ul style="list-style-type: none"> • Tanning. • Resin curing. • Tooth whitening. • Security, banknote. • Forensic applications. • Fluorescent light source. • Insect trap. • Air Care. 		<ul style="list-style-type: none"> • CSP-ceramic based. • Low power. • Miniature size package. • Long life time. • High efficiency. • Low CO2 consumption. • 275nm: 6.5mW at 40mA. 	<ul style="list-style-type: none"> • Water sterilization. • Surface sterilization. • Air purification.
Quartz UVA	LTPL-S35	3.45(L)x3.45(W)x2.8(H)mm	PLCC UVA	LTPL-K28UVM	3.5(L)x2.8(W)x0.7(H)mm
	<ul style="list-style-type: none"> • Ceramic based. • Ultra-high power dome lens. • Higher WPE%. • Long life time. • High efficiency. • Low CO2 consumption. • S35FL view angle 120 degree. • S35FT view angle 60 degree. • S35CT view angle 30 degree. • 365nm: 1540mW at 1A. 	<ul style="list-style-type: none"> • Resin curing. • Tooth whitening. • Forensic applications. • Fluorescent light source. 		<ul style="list-style-type: none"> • PLCC type. • Low power flat type. • Higher mW/\$. • Long life time. • High efficiency. • Low CO2 consumption. • 365nm: 19mW at 20mA. • 385nm: 22mW at 20mA. • 405nm: 24mW at 20mA. 	<ul style="list-style-type: none"> • Resin/Ink curing. • Tooth whitening. • Money & ID detect. • Forensic applications. • Fluorescent light source. • Insect trap. • Air Care.
PLCC UVA	LTPL-K28D	3.5(L)x2.8(W)x1.65(H)mm	Ceramic UVC	LTPL-G35UVC	3.5(L)x3.5(W)x1.68(H)mm
	<ul style="list-style-type: none"> • PLCC type. • Low power dome lens. • Higher mW/\$. • Long life time. • High efficiency. • Low CO2 consumption. • 365nm: 90mW at 50mA. • 385nm: 97mW at 50mA. • 405nm: 103mW at 50mA. 	<ul style="list-style-type: none"> • Resin/Ink curing. • Tooth whitening. • Money & ID detect. • Forensic applications. • Fluorescent light source. • Insect trap. • Air Care. 		<ul style="list-style-type: none"> • Ceramic based. • Quartz glass. • Long life time. • High efficiency. • Low CO2 consumption. • 2kV ESD protection • 275nm: 9mW at 60mA. • 275nm: 25mW at 100mA. • 275nm: 38mW at 150mA. • 275nm: 68mW at 350mA. • 275nm: 100mW at 600mA. 	<ul style="list-style-type: none"> • Water sterilization. • Surface sterilization. • Air purification.
Ceramic UVC	LTPL-W35UVC	3.5(L)x3.5(W)x1.65(H)mm	Ceramic UVC	LTPL-G06PX	6.0(L)x6.0(W)x1.38(H)mm
	<ul style="list-style-type: none"> • Ceramic based. • Ultra-high power dome lens. • Long life time. • High efficiency. • Low CO2 consumption. • 275nm: 155mW at 600mA. • Highest quality and reliability. • IP58. • 2kV ESD protection. 	<ul style="list-style-type: none"> • Water sterilization. • Surface sterilization. • Air purification. 		<ul style="list-style-type: none"> • Ceramic based. • Quartz glass. • Long life time. • High efficiency. • Low CO2 consumption. • 2kV ESD protection • 275nm: 155mW at 600mA. 	<ul style="list-style-type: none"> • Water sterilization. • Surface sterilization. • Air purification.
Ceramic UVC	LTPL-G06PE	6.0(L)x6.0(W)x1.38(H)mm	Ceramic UVC	LTPL-V37UVC	3.5(L)x3.5(W)x3.07(H)mm
	<ul style="list-style-type: none"> • Ceramic based. • Quartz glass. • Long life time. • High efficiency. • Low CO2 consumption. • 2kV ESD protection • 275nm: 255mW at 960mA. 	<ul style="list-style-type: none"> • Water sterilization. • Surface sterilization. • Air purification. 		<ul style="list-style-type: none"> • Ceramic based. • Quartz glass dome lens. • Long life time. • High efficiency. • Low CO2 consumption. • 2kV ESD protection • 275nm: 46mW at 200mA. 	<ul style="list-style-type: none"> • Water sterilization. • Surface sterilization. • Air purification.

Lighting LED

Low Power Lighting

LTW-E608

1.6(L)x0.8(W)x0.55(H)mm



- Compact Size Topview PLCC package
 - CRI 70 for all CCTs.
 - CRI 80 90 is optional.
 - Wide selection of white CCT's.
 - Ideal for lighting applications requiring a homogeneous distributed light source.
 - Rich color flexibility
 - ANSI compatible chromaticity bins
- Linear light.
 - Display
 - Indicator

Low Power Lighting

LTW-1808

1.8(L)x0.8(W)x0.55(H)mm

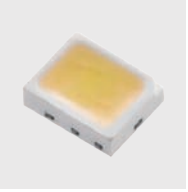


- Compact Size Topview PLCC package
 - CRI 70 for all CCTs.
 - CRI 80 90 is optional.
 - Wide selection of white CCT's.
 - Ideal for lighting applications requiring a homogeneous distributed light source.
 - Rich color flexibility
 - ANSI compatible chromaticity bins
- Linear light.
 - Display
 - Indicator

Low Power Lighting

LTW-2016

2.0(L)x1.6(W)x0.65(H)mm



- Compact Size Top View PLCC Package.
 - CRI 80 for all CCTs.
 - CRI 90 is optional.
 - Wide selection of white CCT's.
 - Ideal for lighting applications requiring a homogeneous distributed light source.
 - ANSI compatible chromaticity bins
- Linear light.
 - Display
 - Indicator

Low Power Lighting

LTW-2214

2.2(L)x1.4(W)x1.3(H)mm



- Compact Size Topview PLCC package
 - CRI 80 for all CCTs.
 - CRI 90 is optional.
 - Wide selection of white CCT's.
 - Ideal for lighting applications requiring a homogeneous distributed light source.
 - ANSI compatible chromaticity bins
- Linear light.
 - Display
 - Indicator

Low Power Lighting

LTW-K140

3.0(L)x1.4(W)x0.8(H)mm



- Top view PLCC Package.
 - Efficiency: 125lm/W@0.2W.
 - CRI: 80 for all CCT
 - CRI 90 is optional.
 - Wide selection of white CCT's.
 - Compliance with ENERGY STAR program requirements for SSL luminaires.
 - Best flexible for modules in need of illuminance uniformity and circuit design.
 - Ideal for lighting applications requiring a homogeneous distributed light source.
 - ANSI compatible chromaticity bins
 - Rich color flexibility
- Linear light.
 - Display
 - Indicator

Low Power Lighting

LTW-4014

4.0(L)x1.4(W)x0.65(H)mm

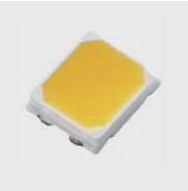


- Top view PLCC Package.
 - Efficiency: 135lm/W@0.2W.
 - CRI: 80 for all CCT
 - CRI 90 is optional.
 - Wide selection of white CCT's.
 - Compliance with ENERGY STAR program requirements for SSL luminaires.
 - Best flexible for modules in need of illuminance uniformity and circuit design.
 - Ideal for lighting applications requiring a homogeneous distributed light source.
 - ANSI compatible chromaticity bins
 - Rich color flexibility
- Linear light.
 - Display
 - Indicator

Mid Power Lighting

LTW-2835

2.8(L)x3.5(W)x0.65(H)mm



- Efficiency: 140lm/W@0.5W.
 - 3V, 6V, 9V.
 - CRI 80 for all CCTs.
 - CRI 90 is optional.
 - Wide selection of white CCT's.
 - Compliance with ENERGY STAR program requirements for SSL luminaires.
 - Ideal for lighting applications requiring a homogeneous distributed light source.
 - Best choice for high efficiency platform.
 - Rich color flexibility
 - ANSI compatible chromaticity bins
- Linear light
 - Ceiling light
 - Strip light
 - Bulb
 - Tube

Mid Power Lighting

LTW-3528

2.8(L)x3.5(W)x1.85(H)mm



- Efficiency: 140lm/W@0.5W.
 - 3V, 6V, 9V.
 - CRI 80 for all CCTs.
 - CRI 90 is optional.
 - Wide selection of white CCT's.
 - Compliance with ENERGY STAR program requirements for SSL luminaires.
 - Ideal for lighting applications requiring a homogeneous distributed light source.
 - Best choice for high efficiency platform.
 - Rich color flexibility
 - ANSI compatible chromaticity bins
- Linear light
 - Ceiling light
 - Strip light
 - Bulb
 - Tube

Mid Power Lighting

LTW-3030

3.0(L)x3.0(W)x0.6(H)mm



- Efficiency: 190lm/W@0.2W.
 - 3V, 6V
 - CRI 80 for all CCTs.
 - CRI 90 is optional.
 - Wide selection of white CCT's.
 - Compliance with ENERGY STAR program requirements for SSL luminaires.
 - Ideal for lighting applications requiring a homogeneous distributed light source.
- Linear light
 - Ceiling light
 - Strip light
 - Bulb
 - Tube

Mid Power Lighting

LTW-5630

5.6(L)x3.0(W)x0.77(H)mm

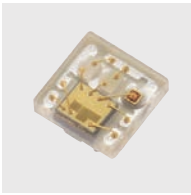


- Efficiency: 190lm/W@0.2W.
 - 3V, 6V
 - CRI 80 for all CCTs.
 - CRI 90 is optional.
 - Wide selection of white CCT's.
 - Compliance with ENERGY STAR program requirements for SSL luminaires.
 - Ideal for lighting applications requiring a homogeneous distributed light source.
 - Best choice for high efficiency platform.
- Linear light
 - Ceiling light
 - Strip light
 - Bulb
 - Tube

white LED	LTW-010	3.8(L)x0.9(W)x0.4(H)mm	<ul style="list-style-type: none"> • Side view PLCC package. • High brightness • Special color for chosen: Ice-blue, Sky-blue, Tiffany, Amber, Purple. 	<ul style="list-style-type: none"> • Backlight • Indicator
				
white LED	LTW-012	4.2(L)x0.9(W)x0.45(H)mm	<ul style="list-style-type: none"> • Side view PLCC package. • High brightness. • Low power. consumption. 	<ul style="list-style-type: none"> • Backlight • Indicator
				
white LED	LTW-303	3.0(L)x0.85(W)x0.3(H)mm	<ul style="list-style-type: none"> • Side view PLCC package. • High brightness. • Narrow slim thickness 	<ul style="list-style-type: none"> • Backlight • Indicator
				
RGB LED	LTW-008RGB2	4.5(L)x1.25(W)x0.9(H) mm	<ul style="list-style-type: none"> • Side view PLCC package. • High brightness. • Rich color flexibility • RGB white binning 	<ul style="list-style-type: none"> • Ambient light • Display • Indicator
				
RGB LED	LTW-010RGB	3.8(L)x0.9(W)x0.43(H)mm	<ul style="list-style-type: none"> • Side view PLCC package. • High brightness. • Rich color flexibility • RGB white binning • Narrow slim thickness 	<ul style="list-style-type: none"> • Ambient light • Display • Indicator
				
RGBW LED	LTW-B1010RGBN	1.0(L)x1.0(W)x0.85(H) mm	<ul style="list-style-type: none"> • Top view PLCC package. • High brightness, low power consumption. • Rich color flexibility • Black PKG. 	<ul style="list-style-type: none"> • Ambient light • Display • Indicator • Signboard
				
RGB LED	LTW-OB1515RGBN	1.6(L)x1.54(W)x1.56(H) mm	<ul style="list-style-type: none"> • Top view PLCC package. • Smaller size. • High brightness, low power consumption. • Rich color flexibility • Black surface 	<ul style="list-style-type: none"> • Ambient light • Display • Indicator • Signboard
				
RGB LED	LTW-OB1921RGBN	2.1(L)x2.1(W)x1.56(H) mm	<ul style="list-style-type: none"> • Top view PLCC package. • High brightness, low power consumption. • Rich color flexibility • Black surface 	<ul style="list-style-type: none"> • Ambient light • Display • Indicator • Signboard
				
RGB LED	LTW-Q35ZRGB	3.5(L)x3.2(W)x0.65(H) mm	<ul style="list-style-type: none"> • Top view PLCC package. • High brightness. • Rich color flexibility. 	<ul style="list-style-type: none"> • Ambient light • Display • Indicator
				
RGBW LED	LTW-Q35RGBW	3.5(L)x3.2(W)x0.65(H) mm	<ul style="list-style-type: none"> • Top view PLCC package. • High brightness • Rich color flexibility • Nature white to solve RGB-white color uneven in light guide tube. 	<ul style="list-style-type: none"> • Ambient light • Display • Indicator
				
RGB LED	LTPL-P033RGB	7.4(L)x5.0(W)x1.3(H) mm	<ul style="list-style-type: none"> • Top view PLCC package. • 1W high power RGB • Good thermal management 	<ul style="list-style-type: none"> • Ambient light • Display • Indicator
				

SMD LED

SMD Chip IC Embedded **LTST-E133** 1.3(L)x1.3(W)x0.4(H) mm



- Top view IC built-in solution.
- Available at 5mA and 12mA.
- Simplified PCB design.
- Free passive component.
- Saving SMT & maintain cost
- Better consistency of color mixing.
- Extreme small power consumption.
- Consumer devices.
- LED decorative lighting.
- Display lights.
- Signal and symbol luminary.

SMD Chip IC Embedded **LTST-S313** 3.2(L)x1.5(W)x1.0(H)mm



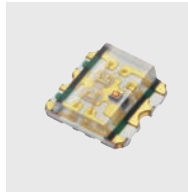
- Side view IC built-in solution.
- Available at 5mA and 12mA.
- Ultra Bright InGaN / AllnGaP Chip LED.
- 3 channel output with 8 Bits IC driver.
- Each of the colors can achieve 256 brightness steps and scan frequency is no less than 100 KHz.
- Gaming backlighting.
- Display.
- Indicator lights for portable devices.

SMD Chip IC Embedded **LTST-S203** 2.0(L)x1.0(W)x0.5(H)mm



- Smallest side view IC built-in solution.
- Available at 5mA.
- Ultra Bright InGaN / AllnGaP Chip LED.
- 3 channel output with 8 Bits IC driver.
- Each of the colors can achieve 256 brightness steps and scan frequency is no less than 100 KHz.
- RGB keypad and keyboard backlight.
- Display.
- Indicators of portable devices.

SMD Chip IC Embedded **LTST-C19M** 1.6(L)x1.6(W)x0.5(H) mm



- Top View 0606 RGB LED.
- RGB Independent control.
- Wide viewing angle of 120°.
- Keyboard Backlight.
- Indicator lights for gaming applications.
- Peripherals.

SMD Chip IC Embedded **LTST-FS02T/LTW-FS02T** 1.8(L)x0.68(W)x0.2(H)mm



- Smallest side view ultra-thin single color LED.
- Ultra-compact side-view product supporting ultra-bright performances.
- Wide viewing angle of 120°.
- Available in a variety of colors.
- Consumer devices.
- Keyboard backlight.
- Micro display.
- Keyboard backlight.

SMD Chip IC Embedded **LTST-S33F** 3.0(L)x1.0(W)x0.4(H)mm



- Side view RGB LED.
- 4 pin required by triple function design.
- Wide viewing angle of 130°.
- Mobile keypad backlight.
- Keyboard backlight.

SMD Chip IC Embedded **LTST-FC03/LTW-FC03** 0.6(L)x0.3(W)x0.2(H)mm



- Top View 0201 Ultra-thin single color LED.
- High brightness and compact size Chip LED.
- Thin-sized chipled.
- Available in a variety of colors.
- Consumer devices.
- Keypad backlight.
- Micro display.
- Keyboard backlight.

SMD Chip LED **LTST-C281** 1.0(L)x0.5(W)x0.35(H)mm



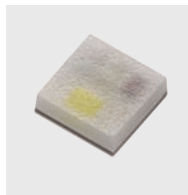
- Top View 0402 Ultra-thin single color LED.
- Ultra-compact package size suitable for high resolution matrix applications.
- Wide viewing angle of 130°.
- Available in a variety of colors.
- Mobile keypad backlight.
- Compact mobile equipment.
- Display.

SMD Mini ChipLED RGBW **LTST-FC12** 1.2(L)x1.2(W)x0.4(H)mm



- Top View 0505 RGBW 4-in-1 LED.
- Tunable white at any color temperature.
- Gaming backlight.
- Micro display.
- Consumer devices.

SMD Mini ChipLED RGBW **LTST-FC09** 0.95(L)x0.95(W)x0.25(H)mm



- Top View 0404 RGBW 4-in-1 LED.
- Tunable white at any color temperature.
- Gaming backlight.
- Micro display.
- Consumer devices.

SMD Mini ChipLED RGBW **LTST-FC06** 1.0(L)x0.6(W)x0.35(H)mm



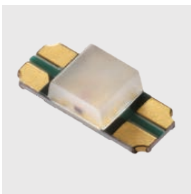
- Top View 0402 RGBW 3-in-1 LED.
- High brightness
- Consumer devices.
- Wearable devices.

SMD Chip LED Dual Color **LTST-S225 / LTW-S225** 2.0(L)x1.1(W)x0.6(H) mm



- Side View 1208 Bi-Color LED.
- Smallest side view bi-color package.
- Wide viewing angle 130°.
- Consumer devices.
- Networking indicator lights.

SMD Chip Full Color **LTST-C25T** 3.2(L)x1.2(W)x1.1(H)mm



- Reverse mount RGB.
- Space-efficient design.
- Wide viewing angle of 120°.
- RGB keyboard backlight.
- Peripherals.

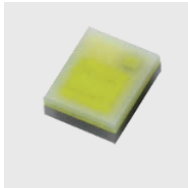
SMD Mini Chip Full Color **LTST-FC10** 1.0(L)x1.0(W)x0.18(H) mm



- Top View 0404 RGB LED.
- The ultra-thin of full-color type.
- High brightness.
- Keypad/keyboard backlighting.
- Full color micro display.

SMD Mini Chip Full Color	LTST-FS63H	1.8(L)x0.64(W)x0.3(H)mm	<ul style="list-style-type: none"> World's smallest side view Tri-Color LED. Full-color type LED. High brightness. 	<ul style="list-style-type: none"> Mobile keypad backlight. Keyboard backlight. Ultra-thin space backlight.
				
SMD Chip LED	LTST-C232 / LTW-C232	2.2(L)x1.2(W)x0.3(H)mm	<ul style="list-style-type: none"> The ultra-thin reverse mount single color LED. High brightness. Available in a variety of colors. 	<ul style="list-style-type: none"> Keyboard or keypad backlight. Display. LED icon touch. Reinforced glass panel.
				
SMD PLCC Full color	E682 / N682 / N683 / G683	3.5(L)x2.8(W)x1.9(H)mm	<ul style="list-style-type: none"> PLCC4/ PLCC6. White diffused lens. PLCC4 Black face option available. Dual color option available. Designed for electronic sign use. Available in a variety of colors and luminance selection. 	<ul style="list-style-type: none"> Consumer electronics backlight. Status indicator. Decorative lighting. Automotive lighting.
				
SMD PLCC Full color	N213 / E213	2.1(L)x2.1(W)x1.0(H)mm	<ul style="list-style-type: none"> PLCC4. White diffused lens. White-face option available. Designed for electronic signage use. 	<ul style="list-style-type: none"> Gaming backlighting. Display. Indicators lights for portable devices.
				
SMD PLCC	T680 / B680	3.5(L)x2.8(W)x1.9(H)mm	<ul style="list-style-type: none"> PLCC2. White diffused lens. White face option available. Designed for electronic sign use. Available in all different colors upon request. 	<ul style="list-style-type: none"> Message signs. Automotive lighting.
				
SMD Mini PLCC	T180	1.6(L)x0.8(W)x0.55(H)mm	<ul style="list-style-type: none"> PLCC2. Transparent lens. White face option available. Designed for high temperature use. Available in all different colors upon request. 	<ul style="list-style-type: none"> Networking. Automotive lighting. Charger station.
				
SMD Mini PLCC	E142 / E143	1.55(L)x1.55(W)x0.55(H)mm	<ul style="list-style-type: none"> PLCC4. White diffused lens. Designed for high temperature use. Available in all different colors upon request. 	<ul style="list-style-type: none"> Full color display. Networking. Automotive lighting. Charger station. High-end home appliances.
				
SMD Mini PLCC	G163	1.65(L)x1.65(W)x0.55(H)mm	<ul style="list-style-type: none"> PLCC6. Transparent lens. Designed for high temperature use. Designed for gaming keyboard per-key with high brightness for power saving. Available in all different colors upon request. 	<ul style="list-style-type: none"> Full color display. Networking. Automotive lighting. Gaming keyboard. High-end home appliances.
				
SMD Mini PLCC RGB IC	E183C	1.85(L)x1.85(W)x0.6(H)mm	<ul style="list-style-type: none"> PLCC4. White diffused lens. IC built-in solution. Free passive component. Saving SMT & maintain cost. Better consistency of color mixing. Extreme small power consumption. 	<ul style="list-style-type: none"> Charger station. High-end home appliances. LED decorative lighting Curtain display
				
SMD PLCC RGB IC	G353C	3.5(L)x3.5(W)x0.95(H)mm	<ul style="list-style-type: none"> PLCC6. White diffused lens. IC built-in solution. Free passive component. Saving SMT & maintain cost. Better consistency of color mixing. Extreme small power consumption. Supports breakpoint continuous transmission. 	<ul style="list-style-type: none"> Consumer electronics with LED illumination LED decorative lighting Curtain display
				
SMD Mini S/V PLCC	S04	2.0(L)x0.9(W)x0.43(H)mm	<ul style="list-style-type: none"> PLCC2. Transparent lens. Designed for high temperature use. Available in all different colors upon request. 	<ul style="list-style-type: none"> Networking. Automotive lighting. Gaming keyboard. High-end home appliances.
				
SMD S/V PLCC	006	4.5(L)x1.0(W)x0.64(H)mm	<ul style="list-style-type: none"> PLCC6. White diffused lens. Designed for high temperature use. Brightest side view product. Available in all different colors upon request. 	<ul style="list-style-type: none"> Networking. Automotive lighting. Keyboard backlight.
				
SMD S/V PLCC RGBW	S06W	4.5(L)x1.0(W)x0.64(H)mm	<ul style="list-style-type: none"> PLCC6 4-in-1 four color solution. White diffused lens. Brightest side view product. Available in all different colors upon request. Four color to solve RGB-white color uneven issue. 	<ul style="list-style-type: none"> Networking. Automotive lighting. High-end home appliances.
				
SMD Mini CSP	LTW-A031A/LTST-A031A	0.6(L)x0.3(W)x0.15(H)mm	<ul style="list-style-type: none"> Ultimate 0201 thickness lead thinnest OD. Wide viewing angle 154°/137°. 3 times brighter than conventional chip LED. Saving half power consumption in system. Maximum driving current 20mA. White, Red, Green, Blue are available. 	<ul style="list-style-type: none"> Mobile keypad backlight. Keyboard backlight. Indicator
				

SMD Power Flash **LTPL-C0675 / LTPL-C0677** 2.0(L)x1.6(W)x0.75(H) mm



- High flux density with compact light emitting source.
- Rated 1.5A max pulse current.
- Typical luminous flux: 240lm@1A. (LTPL-C0675) 260lm@1A. CRI80 (LTPL-C0677), 240lm@1A CRI 90 (LTPL-C0677)
- Camera phone.
- Handheld device.
- Barcode light source

SMD Power Flash **LTPL-C0613** 2.0(L)x1.6(W)x0.53(H)mm



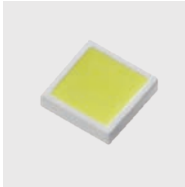
- High brightness in PCT type for high power application.
- Ultra-thin 2016 solution. Rated 500mA max pulse current.
- Typical luminous flux: 105lm@ 500A.

SMD Mini CSP **LTST-A07RGB** 0.7(L)x0.4(W)x0.15(H)mm



- Ultimate thickness RGB LED lead thinnest OD
- 3 times brighter than conventional chip LED
- Saving half power consumption in system
- Maximum driving current 30mA
- Mobile keypad backlight.
- Keyboard backlight.
- Indicator lights.

SMD Power Flash **LTPL-A128D** 1.25(L)x1.25(W)x0.25(H)mm
LTPL-A138D 1.4(L)x1.4(W)x0.25(H)mm



- Smaller size with compact light emitting source,
- Ultimate thin package is suitable for front and back flash application
- Rated 1.5 A max pulse current.
- High CRI: 80, 90 for all CCT.
- LTPL-A128D Typical luminous flux: CRI80: 245lm @ 1A; CRI90: 210lm @ 1A.
- LTPL-A138D Typical luminous flux: CRI80: 245lm @ 1A; CRI90: 210lm @ 1A.
- Camera phone.
- Handheld device.
- Barcode light source

Automotive LED

SMD Chip LED **LTSA-C191** 1.6(L)x0.8(W)x0.55(H)mm



- Top View ChipLED.
- Bass on AEC- Q101D.
- Ultra-compact makes a high degree of expressiveness for use in high resolution, high density matrix applications.
- Wide viewing angle 120°.
- Available in a variety of colors.
- Automotive indicator.

SMD PLCC LED **LTSA-E607** 1.6(L)x0.75(W)x0.55(H)mm



- Top View PLCC LED.
- Clear lens.
- Based on AEC-Q101D.
- Designed for automotive application.
- Available in a variety of color.
- View angle 120°
- Operation Temp 110° C.
- MSL 2a.
- Automotive interior solution.
- Switch, Dashboard

Mini Top LED **LTSA-M67** 2.3(L)x1.4(W)x1.3(H)mm



- MiniTOP LED.
- White diffused lens.
- Based on AEC-Q101D.
- Designed for automotive application.
- Available in a variety of color.
- View angle 120°
- Operation Temp 110° C.
- MSL 2a.
- Automotive interior solution.
- Switch, Dashboard, Sign Mark solution.

SMD PLCC 2 **LTSA-T680** 3.5(L)x2.8(W)x1.9(H)mm



- PLCC2.
- White diffused lens.
- Based on AEC-Q101D.
- Designed for automotive application.
- Available in a variety of color.
- View angle 120°
- Operation Temp 100°C.
- MSL 2a.
- Automotive interior solution.
- Automotive sign mark solution.

SMD PLCC 4 **LTSA-E67R** 3.5(L)x2.8(W)x1.9(H)mm



- PLCC4.
- White diffused lens.
- Based on AEC-Q102.
- Designed for automotive application.
- Available in a variety of color.
- View angle 120°.
- Operation Temp 100° C.
- MSL 2a.
- Automotive CHMSL.
- Automotive RCL.

SMD PLCC 6 **LTSA-G6S** 3.4(L)x3.3(W)x1.9(H)mm



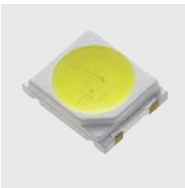
- PLCC6.
- Clear lens.
- Based on AEC-Q102.
- Designed for automotive application.
- Available in a variety of color.
- View angle 120°.
- Operation Temp 110° C.
- MSL 2.
- Junction Temp 125°C max.
- Automotive Turning Light.
- Automotive RCL.

PLCC RGB **LTSA-G38T** 3.4(L)x3.3(W)x1.90(H)mm



- TOP PLCC RGB.
- White diffused lens.
- Based on AEC-Q102.
- Designed for automotive application.
- Available in full color.
- View angle 120°.
- Operation Temp 110° C.
- MSL 2a.
- Junction Temp 125° C max.
- Automotive interior solution.
- Switch, Dashboard, Sign Mark solution.

Power LED **LTPA-2835** 3.5(L)x2.8(W)x0.8(H)mm




- PLCC 0.5W.
- Based on AEC-Q101D.
- 24lm@60mA. (CCT 6500K)
- 62lm@150mA. (CCT 6500K)
- View angle 120° Operation Temp 105° C.
- MSL 2a.
- Junction Temp 125° C max.

Power LED **LTPA-C35** 3.45(L)x3.45(W)x2.13(H)mm



- Chip on Ceramic 3535.
- LED with optical lens.
- 90lm@350mA. (PC Amber)
- 135lm@350mA.
- 235lm@700mA. (white color)
- Automotive aftermarket eg: DRL, Reading light.
- View angle 118'.
- Operation Temp 125° C.
- MSL 2.
- Junction Temp 145°C max.
- Automotive DRL.TI.
- Automotive Working Lamp.

Power LED **LTPA-2720** 2.75(L)x2.0(W)x0.6(H) mm



- Slim Design.
- High Brightness.
- Power 0.5~2.5W.
- Based on AEC-Q102.
- 80lm@200mA. (CCT 5600K)
- 35lm@150mA. (PC Amber)
- 40lm@200mA.(Red)
- 120lm@350mA. (CCT 5600K)
- 80lm@300mA. (PC Amber)
- 82lm@350mA.(Red)
- 230lm@700mA. (CCT 5600K)
- 122lm@600mA. (PC Amber)
- 100lm@700mA.(Red)
- View Angle 120°.
- Low Thermal Resistant.
- Low Voids Solution.
- Operation Temp 125°C.
- MSL 2.
- Junction Temp 150°C max.
- Automotive RCL, CHMSL, DRL, TI.

HEAD LAMP(1chip) **LTPA-H1N** 1.88(L)x1.61(W)x0.76(H) mm



- Slim design.
- High brightness.
- Based 345lm on AEC-Q102.
- 200lm@1000mA. (PC Amber)
- 345lm@1000mA. (CCT 5600K)
- 3.25v @1000mA.
- View Angle 120°.
- Low thermal resistant.
- Low voids solution.
- Operation temp 125°C.
- MSL 2.
- Junction temp 150° C max.
- Automotive Headlamp, High/Low Beam solutions.

HEAD LAMP(2 chip) **LTPA-H2L** 2.75(L)x2.0(W)x0.8(H) mm



- Slim design.
- High brightness.
- Based 80lm on AEC-Q102.
- 80 lm@200mA. (CCT 5600K)
- 48lm@200mA. (PC Amber)
- 3.1v @200mA.(Single light)
- View angle 120°.
- Low thermal resistant.
- Low voids solution.
- Operation temp 125°C.
- MSL 2.
- Junction temp 150°C max.
- Automotive DRL, TI.

HEAD LAMP(2 chip) **LTPA-H2L** 2.75(L)x2.0(W)x0.8(H) mm



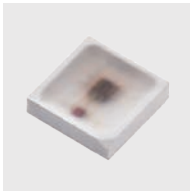
- Slim design.
- High brightness.
- Based on AEC-Q102.
- 400 lm@1000mA. (CCT 5600K)
- 200lm@1000mA. (PC Amber)
- 3.25v @1000mA.(Single light)
- View angle 120°.
- Low thermal resistant.
- Low voids solution.
- Operation temp 125° C.
- MSL 2.
- Junction temp 150° C max.
- Automotive DRL, TI.

HEAD LAMP(3 chip) **LTPA-H3S** 4.2(L)x3.75(W)x0.82(H)mm



- Slim Design.
- High Brightness.
- Based on AEC-Q102.
- 1080lm@1000mA. (CCT 5600K)
- 10.25v @1000mA.
- View Angle 120°.
- Low Thermal Resistant.
- Low Voids Solution.
- Operation Temp 125° C.
- MSL 2.
- Junction Temp 150° C max.
- Automotive Headlamp, High/Low Beam solutions.

RGB+IC **LTSA-E271** 2.7(L)x2.7(W)x0.65(H) mm




- Ultra Bright InGaN / AlInGaP LED Chips
- Thin (0.65 mm) Chip LED and EIA STD Package
- Preconditioning: Accelerate to JEDEC Level 2a
- 8 Bits 3 Channels IC.Embedded
- Global brightness 6 Bits control
- Over-Temp. Protection
- Open detection
- Low-EMI mode by PWM frequency
- High performance/cost value
- Qualification is based on AEC-Q102
- Automotive interior ambient lighting
- Temperature compensation on R/G/B for constant brightness
- Open detection
- Low-EMI mode by PWM frequency
- Qualification is based on AEC-Q102
- Automotive interior ambient lighting

RGB+IC **LTSA-E27C** 2.7(L)x2.7(W)x0.65(H) mm



- Ultra Bright InGaN / AlInGaP LED Chips
- Thin (0.65 mm) Chip LED and EIA STD Package
- Preconditioning: Accelerate to JEDEC Level 2a
- 8~16 Bits 3 Channels IC.Embedded
- Global brightness 6 Bits control
- CIE calibration for white color
- Temperature compensation on R/G/B for constant brightness
- Open detection
- Low-EMI mode by PWM frequency
- Qualification is based on AEC-Q102
- Automotive interior ambient lighting

RGB+IC **LTSA-E35B** 3.5(L)x3.4(W)x1.35(H) mm



- Ultra Bright InGaN / AlInGaP LED Chips
- Thin (1.35 mm) Chip LED and EIA STD Package
- Preconditioning: Accelerate to JEDEC Level 2
- Serial communication with ISELED compliance.
- Bi directional, half-duplex, 2MBit/s, serial communication
- 8 bit brightness resolution for red, green, and blue LED
- Temperature compensation on red for constant brightness.
- Qualification is based on AEC-Q102.Slim design.
- Automotive interior ambient lighting

Mini LED **LTSA-0603** 0.6(L)x0.3(W)x0.15(H)mm



- MiniTOP CSP LED
- Base on AEC-Q102
- View angle 120'
- MSL 2
- 800mcd@10mA for White (CCx CCy 0.31, 0.31)
- 800mcd @ 20mA for Red (Wp 625nm)
- Automotive Exterior solution

LED Display

SMD Module

LTM-0124M-01

80x40mm

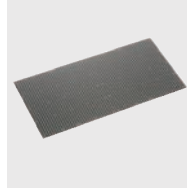


- Low power requirement.
 - Solid State reliability.
 - 16 x 32 array with X-Y select.
 - Multicolor displays are applicable to three bright colors.
 - 1/16 duty Dynamic scan method.
 - Control method: shift register type.
 - Text with PWM driven ICs.
 - Stackable horizontally.
 - Categorized for Luminous intensity.
- Message sign.
 - Networking.

RGB Module

LTM-1602SF

256x128mm

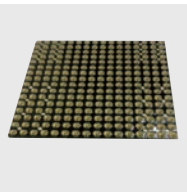


- Low power requirement.
 - Solid state reliability.
 - 32x64 array with X-Y select.
 - Multicolor displays are applicable three bright colors.
 - 1/8 duty dynamic scan method.
 - Control method: shift register type.
 - Text with PWM driven ICs.
 - Stackable horizontally.
 - Categorized for Luminous intensity.
- Message sign.
 - Networking.

Dome Matrix

LTP-158FFKF / LTP-7588SF (RGB)

40.64x40.64x2.8mm
20x20x6mm

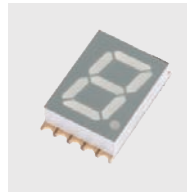


- 16x16 matrix, ø 2.
 - 8x8 matrix, ø 2.
 - 1/16 duty dynamic scan method.
 - Wide viewing angle.
 - Low power requirement.
 - Excellent characters appearance.
 - High brightness & high contrast
 - Solid state reliability.
 - Stackable vertically and horizontally.
- Message sign.
 - Networking.

SMD Display

LTS-4812CKR-PM

15x9.8x3.75mm

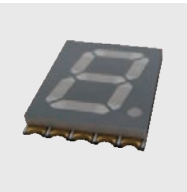


- 0.39 inch (10.0 mm) digit height.
 - Continuous uniform segments.
 - Low power requirement.
 - Excellent characters appearance.
 - High brightness & high contrast.
 - Wide viewing angle.
 - Solid state reliability.
 - Categorized for luminous intensity.
 - Reflow able SMD display.
 - Lead free package. (according to RoHS)
- Instrument.
 - Industry.
 - Home appliance.

Reverse SMD Display

LTS-4817CKR-P / LTS-4812CKR-P

16x9.8x2.1 mm
16x9.8x1.6 mm

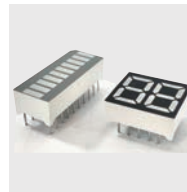


- 0.39 inch (10.0 mm) DIGIT HEIGHT.
 - Continuous uniform segments.
 - Low power requirement.
 - Excellent characters appearance.
 - High brightness & high contrast.
 - Wide viewing angle.
 - Solid state reliability.
 - Categorized for luminous intensity.
 - Reflow able SMD display.
 - Lead free package. (according to RoHS)
- Instrument \ Industry.

Through Hole Display

LTA-1000xx/ LTD-4424xx

25.3x 10.16x8 mm
16x15x7 mm



- Large, bright, uniform light emitting.
 - Low power requirements.
 - High brightness and high contrast.
 - Categorized for luminous intensity.
- Pachinko.
 - Meter.
 - Indicator.

Dot Matrix

LTP-14188xx

38x38x10 mm



- 1.4inch matrix height.
 - Single plane, wide viewing angle.
 - Low power requirement.
 - 8x8 array with X-Y select.
 - Stackable horizontally.
 - Solid state reliability.
- Signboard.
 - Transportation.

Backlight Module

LTB-Dxxx

50x30x1.5 mm



- Excellent uniformity.
 - Solid state reliability.
 - Green product.
 - Low profile thickness.
 - High brightness & high contrast.
 - Customized product.
 - Esthetic lighting performance.
- Backlight module.
 - Gaming.
 - Medical.

Sensor Touch Display

LTM-xxxx

264x50x3mm
189x60x2.5mm



- Alternative to mechanical buttons and sliders.
 - Display value added and make circuit at system side simpler.
 - Works with a variety of overlay materials and thicknesses.
 - Total thickness can be reduced to less than 3 mm.
 - Sensor sensitivity can still be kept even with cover plane.
 - No bending issue even with big size due to free from epoxy material.
- Home appl \ Elevator.

Through Hole Lamp

Single Level SMT CBI



LTL-M11KS1H310Q / LTL-M11TB1H310Q
LTL-M11TG1H310Q / LTL-M12YB1H310U
LTL-M12YB1H310U 4.32x 5.03x 6.10mm

- Circuit board indicator.
- Surface mounting.
- Good reliability.
- IR reflow.
- Single color.
Yellow/ Red / Blue /
Pure Green
- Dual color.
Yellow & yellow green
red & yellow green
- Networking.
- Home appliance.

Bi-Level SMT CBI



LTLM24YG0HM20U
LTL-M24M1HM20U 4.24x 11.56x 14.22mm

- Circuit board indicator.
- Surface mounting.
- Good reliability.
- IR reflow.
- Single color.
Yellow/ Red / Blue /
Pure Green
- Dual color.
Yellow & yellow green
red & yellow green
- Networking.
- Home appliance.

Tri-Level SMT CBI



LTLM36YG0HM30U 4.24x 16.08x 19.94mm

- Circuit board indicator.
- Surface mounting.
- Good reliability.
- IR reflow.
- Single color.
Yellow/ Red / Blue /
Pure Green
- Dual color.
Yellow & yellow green
red & yellow green
- Networking.
- Home appliance.

Quad Level CBI



LTL-42M7NH51 10.7x 4.5x 23.4mm

- Circuit board indicator.
- Lateral light.
- Good reliability.
- Ceramic based single color.
- Dual color.
- Networking.
- Home appliance.

SMT Lamp



LTLMR4EVX3DA / LTLMR4YVX3DA
LTLMR4TBTV3DA / LTLMR4TCXZ3DA
LTLMR4TGY13DA / LTWMR4DZ3KA
LTWMR4DX3KY 4.2 x 4.2 x 6.9mm

- SMT lamp.
- High brightness.
- Good reliability.
- Good uniformity.
- View angle
Round 20&30 deg.
Oval 100/40 deg
- Yellow: 5500~12000mcd
Red: 5500~12000mcd
Blue: 3200~7200mcd
Green: 12000~27000mcd
Cyan: 9300~21000mcd
White: 8500~21000mcd
PC Amber: 5500~12000mcd
- Outdoor message sign.
- Bus sign.
- Smoke detector

3mm Oval Lamp



LTL3HNER9DS / LTL3HNTGV9DS
LTL3HNTBP9DS

- 3 mm oval lamp.
- High brightness.
- Good reliability.
- Wilder view angle 90/ 45 deg.
- Red / blue/ green color.
Red: 2200mcd.
Green: 5750mcd.
Blue: 1450mcd.
- Outdoor message sign.
- RGB video signboard.

4mm Oval Lamp



LTL4VMEPADS / LTL4HMYSAD

- 4 mm oval lamp.
- High brightness.
- Good reliability.
- Various kinds of intensity level solutions.
- Wilder view angle 110/50 deg.
- Red/yellow color.
Red: 1000mcd.
Yellow: 1000mcd.
- Outdoor message sign.
- Bus sign.

5mm Round Lamp



LTL2R3EW3KS / LTL2R3YW3KS
LTL2R3TGY3KS / LTL2R3TBV3KS

- 5 mm round lamp.
- High brightness.
- Good reliability.
- Excellent light pattern for VMS.
- View angle 15/23/30 deg.
Red: 3600~16000mcd.
Yellow: 3800~16000mcd.
Pure Green: 7800~27000mc.
Blue: 2600~8300mcd.
- Traffic sign.
- Outdoor message sign.

White Lamp



LTW-1GHDW4 / LTW-2S3D8

- 3 mm round lamp.
- 4 mm round/oval lamp.
- 5 mm round/oval lamp.
- 5 mm cylindrical lamp
- High brightness.
- Good reliability.
- Good uniformity.
- View angle 15/25/45/60 deg.
- Bluish white normal white.
- Home appliance.
- Traffic sign.

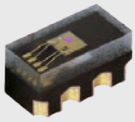
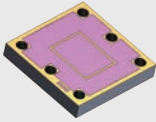
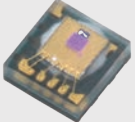

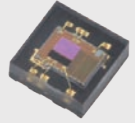

RGB 4 pin



LTL750RGBHBJ / LTL762RGBTAJW
LTL2L3RGBM5K

- 5 mm round lamp.
- High brightness.
- Good reliability.
- Excellent light pattern for VMS.
- View angle 15/23/30 deg.
Red: 3600~16000mcd.
Yellow: 3800~16000mcd.
Pure Green: 7800~27000mc.
Blue: 2600~8300mcd.
- Traffic sign.
- Outdoor message sign.

Optical Sensor / Digital Light Sensors

Side-Look Ambient Light Sensor	LTR-X128A* 2.95x1.5x1.5mm	Reverse PD Ambient Light Sensor	LTR-R100A* 1.16x1.16x0.2mm
	<ul style="list-style-type: none"> • Miniature package. • I²C interface. • Low power consumption. • Close to human eye spectral response. • Wide dynamic range including low lux capability. 		<ul style="list-style-type: none"> • I²C interface. • Two channels ALS+Clear. • 512B FIFO • Low power consumption. • Sensitivity: 0.00084lux/count. • Wide dynamic range including low lux capability. <ul style="list-style-type: none"> • Wearable devices: smart watch, AR/VR glass. • Space constrain design.
Digital Ambient Light Sensors	<div style="background-color: #e91e63; color: white; padding: 2px; text-align: center; font-weight: bold;">IoT</div> LTR-X217A 2.0x1.0x0.5mm <i>(Ultra sensitive, ultra compact)</i>	Color Sensor	<div style="background-color: #e91e63; color: white; padding: 2px; text-align: center; font-weight: bold;">Laptop</div> LTR-383RGB* 2.0x1.0x0.5mm
	LTR-X221A 2.0x2.0x0.7mm <i>(Best IR rejection ALS)</i>		<div style="background-color: #e91e63; color: white; padding: 2px; text-align: center; font-weight: bold;">Mobile</div> LTR-X182C* 2.0x1.0x0.5mm
	<div style="background-color: #e91e63; color: white; padding: 2px; text-align: center; font-weight: bold;">Laptop</div> LTR-X100A (Intel ISH) 2.0x2.0x0.7mm	<ul style="list-style-type: none"> • Miniature Package. • I²C Interface. • Low Power Consumption. • Color temperature (Red, Green & Blue) respective lux readings. • Wide Dynamic Range including low lux capability. 	<ul style="list-style-type: none"> • Mobile, • Laptop, Tablet • Wearable devices: smart watch, AR/VR headset. • IoT
	<div style="background-color: #e91e63; color: white; padding: 2px; text-align: center; font-weight: bold;">Mobile</div> LTR-317ALS 2.0x1.0x0.5mm <i>(Ultra sensitive, Ultra Compact ALS)</i>		
<ul style="list-style-type: none"> • Miniature package. • I²C interface. • Low power consumption. • Close to human eye spectral response. • Wide dynamic range including low lux capability. 		<ul style="list-style-type: none"> • Smart home • Wearable devices: smart watch, AR/VR headset. • IoT • Laptop, Tablet. • Surveillance: IP camera, Smart doorbell. 	

Optical Sensor / Digital Proximity

Long Distance Proximity Sensor	LTR-X151P (Long distance) 4.0x1.5x1.0mm	Ultral Small TWS Proximity Sensor	LTR-2010PS 2.0x1.0x0.35mm LTR-2105PS* 2.0x1.0x0.5mm
	<ul style="list-style-type: none"> • Miniature Package. • I²C Interface. • Low Power Consumption. • Built-in LED driver and detector. • High ambient light suppression. • Cancellation of crosstalk. • Programmable LED driver settings. 		<ul style="list-style-type: none"> • Ultra Compact Package. • I²C Interface. • Ultra low Power Consumption 15uA. • Built-in LED driver and detector. • High ambient light suppression. • Cancellation of crosstalk. • Programmable LED driver settings. <ul style="list-style-type: none"> • Hearable: TWS In-ear Detection. • Wearable: Smart wear detection/ Auto wake-up/ power saving.
Gesture + Proximity Sensor	LTR-X911G 4.0x1.5x1.0mm	I/O Detector	LTR-X215P 2.05x1.11x0.55mm
	<ul style="list-style-type: none"> • Miniature Package. • I²C Interface. • Low Power Consumption. • Gesture and proximity sensing. • Contactless 4-directional motion detection: Left, right. Far, near. 		<ul style="list-style-type: none"> • Miniature Package. • GPIO Output • Low Power Consumption. • Built-in VCSEL LED driver settings. <ul style="list-style-type: none"> • Laptop camera shutter detection.

Optical Sensor / Integrated sensors

Slit Window Opening 3-in-1



Mobile

LTR-567ALS LTR-570ALS

4.0x1.5x1.0mm
4.2x1.5x1.0mm

Laptop

LTR-X1513 LTR-X1613

4.0x1.5x1.0mm
4.2x1.5x1.0mm

- Miniature package.
- I²C interface.
- Low power consumption.
- Wide dynamic range including low lux capability.
- Built-in LED driver and detector.
- High ambient light suppression.
- Cancellation of crosstalk.
- Programmable LED driver settings.
- Mobile, Tablet.
- Industrial walkie talkie.
- POS machine.

Under OLED 2-in-1



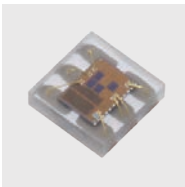
LTR-537RGB* (Under OLED)

3.32 x 1.7x 0.6mm

- I2C interface.
- VSYNC, 1.2V VIO supportability.
- Low power consumption.
- High ALS sensitivity. (0.00005lux-/count)
- Wide dynamic range.
- High CCT accuracy.
- Close to human eye spectral response.
- High PS SNR.(to adopt in 0.5% and above OLED)
- Mobile, Tablet.

Optical Sensor / Automotive Sensors

Automotive Grade Ambient Light Sensor



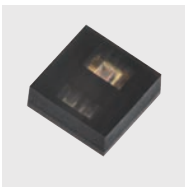
LTRA-X222A (AECQ-100) LTRA-X232C* (Automotive grade AECQ-100)

2.0x2.0x0.5mm
2.0x2.0x0.5mm

- I²C interface.
- Low power consumption.
- High accuracy in low ambient brightness environment.
- High sensitivity.
- Wide dynamic range.
- High gain setting up to 1024 times.
- Close to human eye spectral response.
- Automotive.

Optical Sensor / Health care Sensor & 3D Sensing Sensor

Skin Sensor



LTR-SA2020DU60

2.0x2.0x0.75mm

- I²C interface.
- Channel 1 wavelength: 1070 nm
- Channel 2 wavelength: 1460 nm
- Low power consumption.
- High sensitivity.
- Built-in emitter and detector for differentiating between skin and non-skin objects.
- Hearable: TWS In-ear Detection
- Wearable: Smart wear detection / Auto wake-up / power saving
- Beauty device: Skin moisture detection

Skin Sensor



LTR-SA3018DU60

3.0x2.0x0.64mm

- I²C interface.
- Channel 1 wavelength: 1070 nm
- Channel 2 wavelength: 1460 nm
- Low power consumption.
- High sensitivity.
- Built-in emitter and detector for differentiating between skin and non-skin objects.
- Hearable: TWS In-ear Detection.
- Wearable: Smart wear detection / Auto wake-up/ power saving.
- Beauty device: Skin moisture detection.

Multi-Zone ToF for 3D Sensing



LTF8055* (resolution: 96*96) LTF8001* (resolution: 100*100) LTF8008* (resolution: 320*240) LTF8018* (resolution: 640*480)



8.0x5.5x3.95mm
15.0x7.3x4.72mm
21.0x9.5x6.35
35.5x13.0x10.6mm

- MIPI/SPI interface.
- 3.3V VDD/4.6V VLED
- Low power consumption.
- Low distortion.
- High accuracy +/-1.5%.
- Detection distance up to 8m
- FoV 60deg.
- 100k sunlight suppression.
- Close to human eye spectral response.
- Drones
- AGVs & Factory Robots
- Robot cleaner
- Smart Home

IR VCSEL Emitter

<p style="text-align: center;">IR VCSEL</p>	<p>25x25 : LTPE-35321AFF 3.5x3.2x1.46mm 60x45 : LTPE-35321AMJ 3.5x3.2x1.46mm 72x58 : LTPE-35321AOX 3.5x3.2x1.46mm 90x70 : LTPE-35321ASZ 3.5x3.2x1.46mm 110x90 : LTPE-35321AWS 3.5x3.2x1.46mm</p>	<p style="text-align: center;">IR VCSEL</p>	<p>25x25: LTPE-35322LFF 3.5x3.2x1.46mm 60x45: LTPE-35322 LWJ 3.5x3.2x1.46mm 72X58: LTPE-35322LOX 3.5x3.2x1.46mm 90x70: LTPE-35322LSZ 3.5x3.2x1.46mm 110x90: LTPE-35322 LWS 3.5x3.2x1.46mm</p>
	<ul style="list-style-type: none"> • 2.2W VCSEL Emitter for Time-of-flight.(ToF) • <0.8ns rising and falling time to support higher frequency. • 940nm VCSEL, narrow wavelength tolerance, lower noise. • Photodiode eye-safety detection. 		<ul style="list-style-type: none"> • 2.2W VCSEL Emitter for Time-of-flight.(ToF) • <0.8ns rising and falling time to support higher frequency. • 850nm VCSEL, narrow wavelength tolerance, lower noise. • Photodiode eye-safety detection. • Non-Mobile : 3D Sensing, Human-machine interaction, 3D recognition.
<p style="text-align: center;">2J IR VCSEL</p>	<p>25x25: LTPE-35321BFF 3.5x3.2x1.46mm 60x45: LTPE-35321BMJ 3.5x3.2x1.46mm 72x58: LTPE-35321BOX 3.5x3.2x1.46mm 90x70: LTPE-35321BSZ 3.5x3.2x1.46mm 110x90: LTPE-35321BWS 3.5x3.2x1.46mm</p>	<p style="text-align: center;">2J IR VCSEL</p>	<p>25x25: LTPE-33241BFF 3.3x2.4x1.2mm 60x45 : LTPE-33241BMJ 3.3x2.4x1.2mm 72x58 : LTPE-33241BOX 3.3x2.4x1.2mm 90x70 : LTPE-33241BSZ 3.3x2.4x1.2mm 110x90 : LTPE-33241BWS 3.3x2.4x1.2mm</p>
	<ul style="list-style-type: none"> • 5.5W rectangular light pattern VCSEL illuminator. • Photodiode eye-safety detection. • 940nm VCSEL • Non-Mobile : long distance infrared illumination, surveillance, AI glasses 		<ul style="list-style-type: none"> • 5.4W rectangular light pattern VCSEL illuminator. • Photodiode eye-safety detection. • 940nm VCSEL • Non-Mobile : long distance infrared illumination, surveillance, AI glasses.
<p style="text-align: center;">Ultra High Power 2J IR VCSEL</p>	<p>60x45 : LTPE-D604511BMJ 6.0x4.5x1.575mm 72x58 : LTPE-D604511BOX 6.0x4.5x1.575mm 90x70 : LTPE-D604511BSZ 6.0x4.5x1.575mm 110x90 : LTPE-D604511BWS 6.0x4.5x1.575mm</p>	<p style="text-align: center;">3J IR VCSEL</p>	<p>25x25: LTPE-35321GFF 3.5x3.2x1.46mm 60x45 : LTPE-35321GMJ 3.5x3.2x1.46mm 72x58 : LTPE-35321GOX 3.5x3.2x1.46mm 90x70 : LTPE-35321GSZ 3.5x3.2x1.46mm 110x90 : LTPE-35321GWS 3.5x3.2x1.46mm</p>
	<ul style="list-style-type: none"> • 18W rectangular light pattern VCSEL illuminator. • Photodiode eye-safety detection. • 940nm VCSEL • Non-Mobile : long distance infrared illumination, surveillance, automotive OMS. 		<ul style="list-style-type: none"> • 5.5W rectangular light pattern VCSEL illuminator. • Photodiode eye-safety detection. • 940nm VCSEL • Non-Mobile : long distance infrared illumination, surveillance.
<p style="text-align: center;">SWIR VCSEL</p>	<p>25x25: LTPE-35325ZFF, 3.5x3.2x1.46mm 60x45: LTPE-35325ZMJ 3.5x3.2x1.46mm 72x58: LTPE-35325ZOX 3.5x3.2x1.46mm 90x70: LTPE-35325ZSZ 3.5x3.2x1.46mm 110x90: LTPE-35325ZBW</p>	<p style="text-align: center;">SWIR VCSEL Emitter</p>	<p>970nm : LTE-C17117VS1 2x1.25x.08mm 980nm : LTE-C17118VS1 2x1.25x.08mm 1000nm : LTE-C1711UVS1 2x1.25x.08mm</p>
	<ul style="list-style-type: none"> • SWIR 1135nm. • 2.5W rectangular light pattern VCSEL illuminator. • Photodiode eye-safety detection. • Non-Mobile : long distance infrared illumination, surveillance, AOI detection, Industrial Application. 		<ul style="list-style-type: none"> • SWIR 970/980/1000nm. • 22-24deg. • Non-Mobile : smart watch, smart ring, wearable application.

1d ToF Sensor

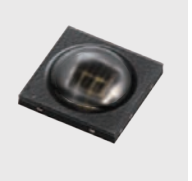
<p style="text-align: center;">Single Zone</p>	<p>25deg : LTPE-DSB01 4.8x2.8x1mm</p>	<p style="text-align: center;">Single Zone</p>	<p>25deg : LTPE-DSA02 4.4x2.4x1mm</p>
	<ul style="list-style-type: none"> • An integrated dTOF sensor solution with SPAD technology. • Maximum 2 meters measurement distance. • Accurate distance measurement, error accuracy <5%. • IOT: object detection and distance measurement. • Robots: wall following and 3D positioning. • Notebook/Monitor: Human Presence. 		<ul style="list-style-type: none"> • An integrated dTOF sensor solution with SPAD technology. • Maximum 5 meters measurement distance. • Accurate distance measurement, error accuracy <5%. • IOT: object detection and distance measurement. • Robots: wall following and 3D positioning. • Notebook/Monitor: Human Presence.

Infrared Emitter & Receiver

Automotive	940nm LTEA-R391AS Series	50deg: 3.8x3.8x3.0mm 90deg: 3.8x3.8x2.2mm	 <ul style="list-style-type: none"> • Max. Junction Temperature: 145°C. • Thermal Resistance: typ. 3 K/W. • Radiant Intensity: 700-1300 mW/sr. • View Angle: 50~150 deg. <ul style="list-style-type: none"> • Automotive
SMD PD	LTR-C5040	5.09x4.0x0.85mm	 <ul style="list-style-type: none"> • Photo-diode receiver • Peak detection: • Ip=40uA @940nm • Ip=35uA @640nm • Ip=20uA @525nm • (Oximetry & HRM) <ul style="list-style-type: none"> • Wearable • Industrial application
SMD PD	LTR-C4437	4.4x3.7x0.55 mm	 <ul style="list-style-type: none"> • Photo-diode receiver • Peak detection: • Ip=38uA @940nm • Ip=29uA @525nm • (Oximetry & HRM) <ul style="list-style-type: none"> • Wearable • Industrial application
SMD PD	LTR-C4825	4.8x2.5x0.48 mm	 <ul style="list-style-type: none"> • Photo-diode receiver • Peak detection: • Ip=24uA(min.) @940nm • Ip=17uA(min.) @525nm • (Oximetry & HRM) <ul style="list-style-type: none"> • Wearable • Industrial application
SMD PD	LTR-C3220/LTR-C3221 LTR-C3222	3.2x2.0x0.6 mm	 <ul style="list-style-type: none"> • Photo-diode receiver • Peak detection of C3220: • Ip=16uA @940nm • Ip=14uA @660nm • Ip=11uA @525nm • Peak detection of C3221: • Ip=22uA @940nm • Ip=17uA @660nm • Ip=13uA @525nm • (Oximetry & HRM) • Peak detection of C3222: • Ip=23uA @940nm • Ip=17uA @660nm • Ip=14uA @525nm <ul style="list-style-type: none"> • Wearable • Industrial application
SMD PD	LTR-C2018 LTR-C2522	2.0x1.8x0.6 mm 2.5x2.2x0.6 mm	 <ul style="list-style-type: none"> • Photo-diode receiver • Peak detection of C2018: • Ip=8uA(min.) @940nm • Ip=6.4uA(min.) @660nm • Ip=4.8uA(min.) @525nm • Peak detection of C2522: • Ip=11uA @940nm • Ip=10uA @660nm • Ip=8uA @525nm • Ip=6.5uA @455nm • (Oximetry & HRM) <ul style="list-style-type: none"> • Wearable • Industrial application
High Power IR	850nm LTE-R38386 Seies	50deg 3.8x3.8x3.0mm 90deg 3.8x3.8x2.2mm 120deg 3.8x3.8x2.2mm 150deg 3.8x3.8x1.5mm	 <ul style="list-style-type: none"> • High power SMD Infrared Emitter. (1.5~3.4W) • High radiant intensity with low power consumption. • High performance and quality. • 850nm/940nm are available • Various view angle. <ul style="list-style-type: none"> • CCTV. • IP cam. • Biometric recognition. • Gesture.
High Power IR	850nm LTE-R28206 Series	80deg 2.75x2.0x1.8mm 120deg 2.75x2.0x0.6mm	 <ul style="list-style-type: none"> • High power SMD Infrared Emitter. (1.2~3.4W) • High radiant intensity with low power consumption. • High performance and quality. • 850nm/940nm are available • Various view angle. <ul style="list-style-type: none"> • CCTV. • IP cam. • Biometric recognition. • Gesture.
High Power IR	940nm LTE-R28201 Series	130deg 1.8x1.8x2.8mm	 <ul style="list-style-type: none"> • High power SMD Infrared Emitter. (3.8W) • High radiant intensity with low power consumption. • High performance and quality. <ul style="list-style-type: none"> • CCTV. • IP cam. • Biometric recognition. • Gesture.
High Power IR	850nm LTE-F16166T-ME8 (60D)	60deg 1.6x1.6x1.8 mm 120deg 1.6x1.6x0.81mm	 <ul style="list-style-type: none"> • High power SMD Infrared Emitter. (1.5~3.4W) • High radiant intensity with low power consumption. • High performance and quality. • 850nm/940nm are available • Various view angle. <ul style="list-style-type: none"> • CCTV. • IP cam. • Biometric recognition. • Gesture.
High Power IR	940nm LTE-F16161S-YE8 (120D)	120deg 2.04x1.64x0.75mm	 <ul style="list-style-type: none"> • High power SMD Infrared Emitter. (3.8W) • High radiant intensity with low power consumption. • High performance and quality. <ul style="list-style-type: none"> • CCTV. • IP cam. • Biometric recognition. • Gesture.
IR + White Light	LTE-F20161W	120deg 2.04x1.64x0.75mm	 <ul style="list-style-type: none"> • 940nm + white light • High radiant intensity with low power consumption. • High performance and quality. <ul style="list-style-type: none"> • Mobile phones • Handhelds • Digital still cameras
Low power IR	LTE-T16101-YSL	120deg 1.7x1.15x0.6mm	 <ul style="list-style-type: none"> • VA = +/-60D, • Ie =22 mW/sr@100mA. • High radiant intensity with low power consumption. <ul style="list-style-type: none"> • Mobile phones • Remote control • Smart home

Middle power IR

850nm
LTE-R38386M Series
 20deg
 3.8x3.8x3.0mm
 28deg
 3.8x3.8x2.75mm
Special light pattern series
LTE-T38386-KGX3
 50deg
 3.8x3.8x2.45mm
LTE-R38386M-CS3
 75deg
 3.8x3.8x2.3mm
 85deg
 3.8x3.8x2.2mm
940nm
LTE-R38386M Series
 150deg
 3.8x3.8x1.51mm



- Middle power SMD Infrared Emitter. (1.2W)
- 850nm/940nm are available
 850nm 300~330mW@0.5A
 940nm 250~280mW@0.5A
- Various view angle.
- Non-symmetric special light pattern design.
- CCTV.
- IP cam.
- Biometric recognition.
- Gesture.

Middle power IR

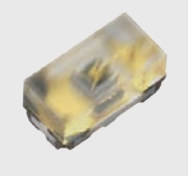
850nm
LTE-R30306-KG2
LTE-R30306-MG2
 KG2: 3.0x3.0x2.22 mm
 MG2: 3.0x3.0x1.90 mm



- Middle power SMD Infrared Emitter. (1.2W)
- Total power 300mW.
- 850nm/940nm are available.
- Various view angle.
- Non-symmetric special light pattern design.
- CCTV.
- IP cam.
- Biometric recognition.
- Gesture.

SMD Emitter

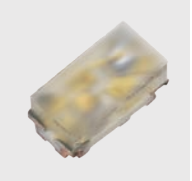
LTE-C2826/LTE-C2821 1.0x0.5x0.45mm



- Wavelength: 850nm / 940nm.
- 70mA Max.
- View Angle 150D.
- Compact size top view emitter.
- CCTV.
- IP cam.
- Industrial application
- Wearable

SMD VCSEL Emitter


LTE-C2821VS 1.0x0.5x0.45mm



- Wavelength:940nm
- 20mA Max.
- Driving current: 15mA.
- View Angle: 22D.
- Compact size top view emitter.
- Proximity sensor
- Aiming application

Advanced SMD Emitter

LTE-C1816IRG 1.85x1.65x0.6mm



- Wavelength: 525 / 940 / 660nm
- View Angle: 120D
- Radiant flux =10mW @525nm@20mA
- Radiant flux =9.0mW @940nm@20mA
- Radiant flux =9.5mW @660nm @20mA
- Wearable
- Industrial Application

Advanced SMD Emitter


LTE-C20081R-Y 2.0x0.8x0.6mm



- Wavelength: 660/ 940nm
- View Angle: 120D
- Radiant intensity =3.3mW/sr @660nm@20mA
- Radiant intensity =3.0mW/sr @940nm@20mA
- Wearable
- Industrial Application

PLCC IR / PTR


LTE-E6806/LTE-E6801/ LTR-E680 3.5*2.8x1.9mm



- Wavelength: 850/940nm
- Top view.
- 100mA Max.
- View Angle: 120D
- Remote control
- Industrial Application

PLCC IR/PTR

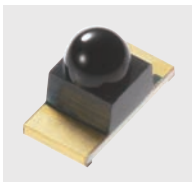
LTE-S0386/LTE-S0381/ LTR-S038 4.0x4.0x3.6mm



- Wavelength: 850/940nm
- Side view
- 100mA Max.
- View Angle: 120D
- Remote control
- Industrial Application

SMD IR/PTR

Top View Series
C191/C171/C172/C282/C930/C216/C226/C211/C950/C990/C155/C2020/C1210
Side View Series
S272/S283/S320/S330/S331/S951/S971
Vairous SMD package also available



from 3.2x2.7x1.1mm to 1.0x0.3x0.55mm

- SMD type Infrared Emitter, Photo Transistor, and Photodiode.
- Compatible with infrared and vapor phase reflow solder process.
- Meet ROHS, Green Product.
- Proximity sensor
- Remote controller
- Touch screen
- Reflective sensor control
- CCTV
- IP cam
- Medical
- Industrial Application
- Smart home

Through Hole IR/PTR



5mm IR/Blue

LTE-3279K / LTE-3271B / LTE-3271BL / LTE-3371T / LTE-5228A / LTE-4207 / LTE-4208 / LTE-4209 / LTE-4238R
 LTE-4834RB / LTE-3677 / LTE-3376 / LTE-3372 / LTE-2872U / LTE-3370L / LTE-3226 / LTE-3220L / LTE-32B0L
 LTE-3276 / LTE-32F0L / LTE-7F70L / LTE-7072 / LTE-40BB

3mm IR/Blue

LTE-1650 / LTE-4206 / LTE-209 / LTE-4209 / LTE-18G3N / LTE-16K3L / LTE-14H / LTE-16H / LTE-18H
 LTE-10ABC / LTE-2053

Side look IR

LTE-302 / LTE-309 / LTE-306 / LTE-304 / LTE-7737L

5mm PTR

LTR-323DB / LTR-4833 / LTR-7019D / LTR-3208 / LTR-3039L

3mmPTR

LTR-1650D / LTR-4206 / LTR-209 / LTR-20GP

Side look PTR

LTR-301 / LTR-306 / LTR-309 / LTR-5579DP1 / LTR-5986H / LTR-5888DH / LTR-5576D / LTR-516AB / LTR-516AD
 LTR-526AD / LTR-536AD / LTR-546AB / LTR-546AD / LTR-733DBM1-TA

Various Thru Hole device also available

T-1 3/4 (5mm)
 T-1(3mm)
 side look

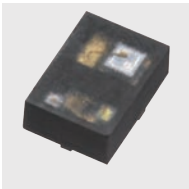
- LTE-2872U, LTE-4208, LTE-10ABC, LTE-2053, LTE-4834RB are UL approved for fire detector.
- LTE-2872U matches with LTR-536AD & LTE-4208 matches with LTR-323DB.
- LTE-10ABC, LTE-2053 matches with LTR-20GC & LTE-4834RB matches with LTR-4833.
- There are various view angle from 30° to 50° for Remote controller.
- There are high speed with various view angle from 15° to 60° for Securing Camera.
- LTE-4206<R-588X are paired for mouse application.
- Selected to specific on-line intensity and radiation intensity ranges.
- Fire detector.
- CCTV.
- Remote controller.
- Mouse.
- Touch screen.
- IP cam.
- Medical.
- Smart home

Photointerrupter

SMD Photo Interrupter

LTH-15111VS

1.55x1.11x0.55mm



- 940nm VCSEL+PTR.
- High sensitivity.
- Thin
- Optical switch
- Switch scanner
- Printer
- Notebook
- EV charger
- Smart home

SMD Photo Interrupter

LTH-339-02

6.4x4.2x5.4mm



- 940nm IR+PTR.
- Miniature, surface mounted device.
- Mechanical switch replacement.
- Optical switch
- Smart home
- Surveillance

SMD Photo Interrupter

LTHA-5740

5.65x4.0x4.0mm



- 940nm IR+PTR.
- Miniature, surface mounted device.
- Mechanical switch replacement.
- Automotive
- Printer
- Encoder

DIP Photo Interrupter

LTH-339-01

6.4x4.2x5.4mm



- 850nm IR+PTR
- Miniature, through hole.
- Mechanical switch replacement.
- Optical switch
- Smart home
- Surveillance

DIP Photo Interrupter

LTH-301 series

14x6x10mm



- 850nm IR+PTR
- Lead length from 3.2 to 13mm.
- Slot width from 3.1 to 15mm.
- Mechanical switch replacement.
- Printer
- Encoder

DIP Photo Interrupter

LTH-306 series

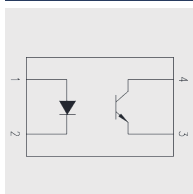
9.6x4.0x6.0mm



- 940nm IR+PTR.
- Lead length from 3.3 to 11mm.
- Slot width from 2 to 6mm.
- Mechanical switch replacement.
- Optical switch
- Smart home

Photocoupler

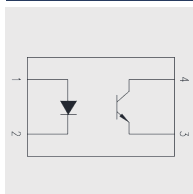
High performance Transistor Output



LTV-8D1 (DIP4)
LTV-3D1 (SOP4)
LTV-2D1 (SSOP4)
LTV-2D4 (SSOP16)
LTV-1Dxx (LSOP4)
LTV-H819 (15mm LSOP8)

- Flat CTR, no decay over IF and temp.
- High working temp 125°C.
- High Viso:3,750-7,500Vrms.
- BVceo 80V.
- Life doubled from general ones.
- A/C input available.
- For tough condition and long duration.
- 5G station power.
- power supply.
- feedback circuit.
- Home appliance.
- HVAC.

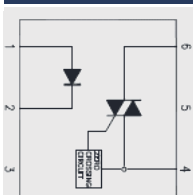
Automotive Transistor Output



LTX-813 (DIP4)
LTX-353 (SOP4)
LTX-213 (SSOP4)
LTX-1200 (LSOP4)

- AECQ 102 certified.
- Flat CTR, no decay over IF and temp.
- High working temp 125°C.
- High Viso:3,750-5,000Vrms.
- BVceo 80V.
- Electric vehicle
- On board charger
- Battery management system for EV
- HVAC.
- EV charging station.

Triac Output

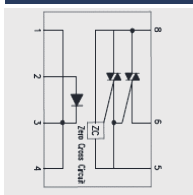


Zero-crossing MOC306x (DIP6)
MOC308x (DIP6)
LTV-306x (SOP4)
LTV-308x (SOP4)

Random phase MOC302x (DIP6)
MOC305x (DIP6)
LTV-302x (SOP4)
LTV-305x (SOP4)

- High Viso:3,750-5,000Vrms
- VDRM: 600V-800V
- Trigger current (IFT): 5-15mA in various product/package, 3mA low trigger available.
- 115°C working temperature.
- AC Motor drivers
- Lighting controls.
- Solid state relays.
- Static Power Switches.
- Temperature controls.
- White goods, home appliance

Solid State Relay

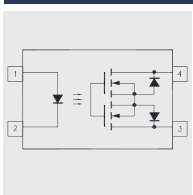


Zero-crossing LTV-x213 (DIP8)

Random phase LTV-x223 (DIP8)

- IT(RMS) 0.3-1.2A
- High Viso=5,000Vrms.
- VDRM: 600V.
- Trigger current (IFT): < 10mA.
- No arcing
- AC Motor drivers
- E.M. contactors.
- Solenoid / Valve controls.
- Heater
- White goods, home appliance

Photo Relay



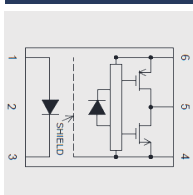
1 form A
LTV-821x (DIP4) **LTV-8411 (DIP4)**
LTV-721x (DIP6) **LTV-7311 (DIP6)**
LTV-17xx (SOP4) **LTV-7511 (DIP6)**
LTV-7258C (DIP6-5pin)
LTV-25xJ (LSOP16-12pin)
LTV-2583J (LSOP16-12pin)
LTV-H258x (15mm LSOP8)

1 form A Automotive
600V LTX-175 (SOP4)
900V LTX-7219 (DIP6-5pin),
LTX-219J (LSOP16-12pin)
1500V LTX-258J (LSOP16-12pin)
1800V LTX-7258C (DIP6-5pin),
LTX-259J (LSOP16-12pin)

2 form A
LTV-822x (DIP8)

- High Viso:3,750-7,500Vrms
- OFF-state output voltage 3300V/3000V/2000V/1800V/1500V /900V/ 600V / 400V / 60V.
- ON-state current 20mA/50mA /110mA/120mA/ 180mA/ 250mA/ 550mA / 1.6A/ 2.0A / 3.0A/ 4.0A / 5.0A
- 600V/900V/1500V/1800V with AECQ certification.
- 15mm creepage package available.
- Operating temperature 125°C available.
- Battery Management System for EV
- High-speed circuit monitoring
- High power lighting.
- Smart Meters
- Mechanical relay replacements

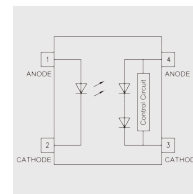
Gate Driver



LTV-3120/3180 (DIP8)
LTV-152/155E (SOP5)
LTV-0314-5 (SOP8)
LTV-5341/5340/5314 (LSOP5)
LTV-5741 (LSOP5-6PIN)
LTV-6341/6340/6314 (LSOP6)
LTV-K342/H342 (LSOP8)
LTV-W3120 (400mil DIP8)
LTV-H313/H353(15mm LSOP8)

- 1-5A maximum peak output current.
- 200-500ns propagation delay.
- High Viso:3,750-7,500Vrms
- Common mode transient immunity: ±20-35 kV/μs minimum,
- Vcc: 10-30V & 15-30V
- Working temperature -40°C to 125°C.
- 2mm thin-package available in LSOP5.
- 15mm creepage package available.
- Industrial Inverter.
- UPS.
- IGBT/MOSFET gate drive.
- Solar inverter
- Home appliance
- Digital power generator
- Servo engine/motor

Photovoltaic Output

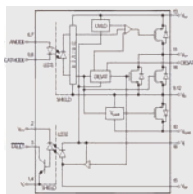


10V Open Voltage:
LTV-910 / LTX-910 (Automotive)

15V Open Voltage:
LTV-915 / LTX-915 (Automotive)

- LED Trigger Current >3mA
- 10V/15V Min. Open Voltage Options
- 5uA Min. Short Current
- 3ms Max. Ton; 1ms Max. Toff
- Solid State Relay Module
- Voltage Supply for electronic circuits Toff

Smart Fault Detection Gate Driver

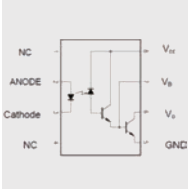


Auto Reset
LTV-333J-H (LSOP16)

LED-triggered Reset
LTV-332J-H (LSOP16)
LTV-316J (LSOP16)

- 4.0-5.0A maximum peak output current.
- 500ns propagation delay(316).
- 250ns propagation delay(33X).
- High Viso:5,000Vrms.
- Common mode transient immunity: ±15-50 kV/μs minimum.
- Working temperature -40°C to 125°C.
- Industrial Inverter.
- Solar inverter
- Home appliance
- Digital power generator
- Servo engine/motor

**~1MBd
High Speed**

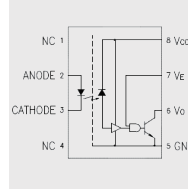


**100Kbd Darlington Output
6N139-L (DIP8)**

**1MBd Transistor Output
6N136 (DIP8) / LTV-M501 (SO5)
LTV-0501 (SOP8) / LTV-5136 (LSOP5)
LTV-50L (LSOP6) / LTV-2530 (DIP8 2CH)
LTV-053L (SOP8 2CH)
LTV-H50L(15mm LSOP8)**

- Working temperature -45°C to 125°C
- 10kV/μs minimum Common Mode Rejection (CMR) at VCM = 1000V.
- High Viso:3,750-5,000Vrms.
- 15mm creepage package available.
- Digital logic ground isolation.
- Low input current line receiver.
- EIA-RS-232C line receiver.
- Switching Power Supply.
- High common mode noise line receiver.

**~15MBd High Speed
(Logic Gate Output)**

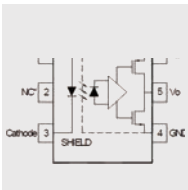


**10MBd
6N137 (DIP8)
LTV-M601 (SOP5)
LTV-0601-5 (SOP8)
LTV-2630 (DIP8 2CH)
LTV-W137 (400mil DIP8)
LTV-063L (SOP8 2CH)**

**15MBd
LTV-60L (LSOP6)**

- tPLH 90ns max.
- High Viso:3,750-5,000Vrms.
- 10kV/μs CMR minimum.
- Smart meter data collector
- Server power
- Programmable logic controller
- MCU isolation
- Communication

**~15MBd High Speed
(Totem Pole Output)**

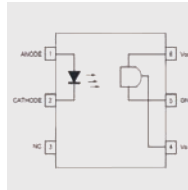


**10MBd
LTV-M61L (SOP5) / LTV-61L (LSOP6)
LTV-064L (SOP8 2CH)
LTV-H61L (15mm LSOP8)**

**15MBd
LTV-561 (LSOP5)**

- tPLH 80ns max
- High Viso:3,750-7,500Vrms.
- 20kV/μs CMR minimum.
- Working temperature -40°C to 105°C, 125°C available.
- 2mm thin-package available in LSOP5.
- 15mm creepage package available.
- Smart meter data collector
- Server power
- Programmable logic controller
- MCU isolation
- Communication

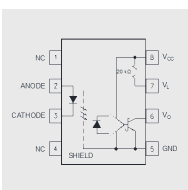
Schmitt Trigger



**H11L1 (DIP6)
LTV-M400 (SOP5)**

- tPLH 1μs max
- High Viso:3,750-5,000Vrms.
- 10kV/μs CMR minimum.
- Working temperature -40°C to 100°C.
- Smart meter data collector
- Server power
- Programmable logic controller
- MCU isolation
- Communication
- Home Appliance

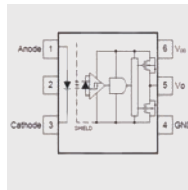
**IPM Driver (Open
Collector Output)**



**Open Collector
LTV-4506 (DIP8) / LTV-M456 (SOP5)
LTV-0456-5 (SOP8) / LTV-5456 (LSOP5)
LTV-456 (LSOP6)
LTV-W4506 (400mil DIP8)**

- Vcc from 4.5-30V.
- tPLH 0.55 μs max.
- Working temperature -40°C to 100°C.
- Minimized Pulse Width Distortion (PWD) 450ns.
- 15kV/μs CMR minimum.
- 2mm thin-package available in LSOP5.
- IPM Interface Isolation.
- Isolated IGBT/MOS FET Gate Drivers.
- AC and Brushless DC Motor Driver.
- Industrial Inverters.
- General Digital Isolation.

**IPM Driver (Totem
Pole Output)**

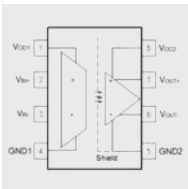


**Positive Logic Output
LTV-M480/LTV-M484 (SOP5)
LTV-5484(LSOP5)
LTV-480(LSOP6)**

**Inverted Logic Output
LTV-M481 (SOP5)
LTV-5481 (LSOP5)
LTV-481 (LSOP6)**

- Vcc from 4.5-30V.
- tPLH 0.25 μs max.
- Working temperature -40°C to 100°C.
- 250ns.
- Minimized Pulse Width Distortion (PWD) =120ns.
- 20kV/μs CMR minimum.
- 2mm thin-package, 3.5mA low trigger available.
- IPM Interface Isolation.
- Isolated IGBT/MOS FET Gate Drivers.
- AC and Brushless DC Motor Driver.
- Industrial Inverters.
- General Digital Isolation.

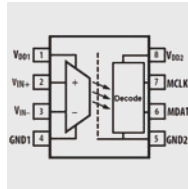
**Isolation Amplifier
(Analog)**



**LTV-7840 (DIP8)
LTV-C7840 (LSOP8)
LTV-C790 (LSOP8)
LTV-C870 (LSOP8)**

- Gain error at 25°C ±0.5%/±1%/±3%/±5%
- VIN from -200mV to 200mV
- VDD 5.5V max.
- 100 kHz Bandwidth
- 15 kV/us CMR minimum
- Isolation voltage 5000V
- Operation temperature -40°C to 105°C.
- Current/ Voltage sensing in AC and servo motor drives
- PV inverters, wind turbine inverters current/ voltage sensing
- Industrial process control
- Switching power supply current/ Voltage signal isolation
- Battery management system

**Isolation Amplifier
(Digital)**

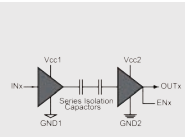


**LTV-7560/7860 (DIP8)
LTV-C797 (LSOP8)**

- 10MHz internal clock
- Gain error at 25°C ±1%/±5%
- Vin from -200mV to 200mV
- VDD 5.5V max.
- Resolution 8/12/16 bits
- 25 kV/us CMR minimum
- Isolation voltage 5000V
- Operation temperature -40°C to 105°C.
- Current/ Voltage sensing in AC and servo motor drives
- PV inverters, wind turbine inverters current/ voltage sensing
- Industrial process control
- Switching power supply current/ Voltage signal isolation
- Battery management system

Capacitive Coupler

40Mbps High Speed Isolator

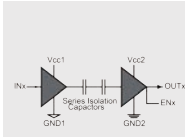


2CH:
LC-762x-D (SOIC8-NB)
LC-762x-DW (SOIC8-WB)
LC-762x-DW16 (SOIC16-WB)

4CH:
LC-764x-DW (SOIC16-WB)

- VDD from 3.3~5V
- 2/4 Channel Available
- Viso from 3750 ~ 5000V
- 100 kV/us CMR minimum
- 35ns Max. propagation delay time (tPLH/tPHL)
- 10ns Max. PWD
- 4.8ns Max. rising and falling time (tr/tf).
- Motor drives
- Industrial automation
- PLC and field I/O
- Power converters
- Isolated communication interfaces
- Solar inverters
- Energy storage systems
- Wind turbine control
- 10ns Max. PWD
- 4.8ns Max. rising and falling time (tr/tf).

150Mbps High Speed Isolator



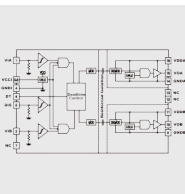
2CH:
LC-772x-D (SOIC8-NB)
LC-772x-DW (SOIC8-WB)
LC-772x-DW16 (SOIC16-WB)

4CH:
LC-774x-D (SOIC16-NB)
LC-774x-DW (SOIC16-WB)

6CH:
LC-776x-DW (SOIC16-WB)

- VDD from 2.2~5V
- 2/4/6 Channel Available
- Viso from 3750 ~ 5000V
- 100 kV/us CMR minimum
- 17ns Max. propagation delay time (tPLH/tPHL)
- 4.5ns Max. PWD
- 4ns Max. rising and falling time (tr/tf)
- Motor drives
- Industrial automation
- PLC and field I/O
- Power converters
- Isolated communication interfaces
- Solar inverters
- Energy storage systems
- Wind turbine control

2Channels Gate Driver



Disable Input (5A Source, 6A Sink):
LC-3425x-DW (SOIC16-WB)

Enable Input (5A Source, 6A Sink):
LC-3426x-DW (SOIC16-WB)
LC-3426x-DW14 (SOIC14-WB)

- Vcc1 from 3~18V
- VDD Max. 30V
- UVLO options A:6/B:8/C:12V
- Peak output sink current 6A; Peak output source current 5A
- 100 kV/us CMR minimum
- 100ns. Max. propagation delay time (tPLH/tPHL)
- 7ns Max. PWD
- 16ns Max. rising time (tr); 12ns Max. falling time (tf)
- Programmable Overlap and Dead time
- IGBT/MOSFET gate drive
- Uninterruptible power supply (UPS)
- Induction Heat Cooker
- Server Power System
- 4.8ns Max. rising and falling time (tr/tf).

| Note

| Note

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