

STMICROELECTRONICS Power Management ICs



Products may be RoHS compliant. Check mouser.com for RoHS status.

ENHANCED SINGLE CHANNEL POWER SWITCH

◆ Surface Mount Devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	R _{ds(on)} @2.7V (Max.) (mA)	DC Output Current (Max.) (mA)	Supply Voltage(V)	Output Voltage (Typ.) (V)	t _{on} (Max.)	t _{off} (Max.)	Input Voltage (V)		Temp. Range (°C)	Price Each		
									High Level (Min.)	Low Level (Max.)		1	10	100
◆ 511-STMP2171STR	STMP2171STR	SOT-23-5L	170	1000	2.7 to 5.5	5.0	5ms	10ms	2.0	0.8	-40 to +85	1.85	1.58	1.27

MULTIPLEXER/DEMULTIPLEXER

◆ Surface Mount Devices



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MOUSER STOCK NO.	STM Part No.	Package Type	R _{on} (Max) (Ω)	Leakage Current thru Switch (Max) (μA)	Propagation Delay (Typ.) (ns)	Output Current (Max) (mA)	Supply Voltage to Ground (Max) (V)	Temp. Range (°C)	Price Each		
									1	10	100
◆ 511-STMUX7000QTR	STMUX7000QTR	QFN-32	6.5	±1	0.25	120	4.6	-40 to +85	1.68	1.45	1.19

ELECTRONIC FUSES

◆ Surface Mount Devices



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MOUSER STOCK NO.	STM Part No.	Package Type	UVLO Threshold (Typ)(V)	DC Input Voltage (Max)(V)	Output Voltage (Nom)(V)	R _{DS(ON)}		Clamping Voltage (Nom)(V)	Operating Temperature (°C)	Price Each		
						(Typ) (mΩ)	(Max) (mΩ)			1	10	100
◆ 511-STEF05PUR	STEF05PUR	DFN-10	3.6	10	5	40	70	6.65	-40 to 125	.88	.827	.716
◆ 511-STEF12PUR	STEF12PUR	DFN-10	8.5	18	12	53	70	15	-40 to 125	.88	.827	.716

POWER FACTOR CORRECTORS

◆ Surface Mount Devices

Specifications:
• Regulation Type (mV): Line: 2; Load: 5



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MOUSER STOCK NO.	STM Part No.	Package Type	Description	Operating Range (VCC)	Supply Curr. Nom. (mA)	Operating Temp.	Gate Driver		Price Each					
							Low (V)	High (V)	1	10	100			
◆ 511-L6562AD	L6562AD	SO-8	Transition-mode PFC controller	10.5/22.5	3.5	-40 to +150	0.6V	10.3V	1.15	1.00	.882			
◆ 511-L6562DTR	L6562DTR	DIP-8	Transition-mode PFC controller	10.5/22.5	3.5	-40 to +150	0.6V	10.3V	1.07	.928	.819			
◆ 511-L6564DTR	L6564DTR	SSOP-10	Transition-mode PFC controller	10.3/22.5	5.0	-40 to +150	0.6V	10.3V	1.02	.886	.782			
◆ 511-L6564HTR	L6564HTR	SO-14	Transition-mode PFC controller	10.3/22.5	5.0	-40 to +150	0.6V	10.3V	1.52	1.21	1.06			
◆ 511-L6599AD	L6599AD	SO-16N	Improved high-voltage resonant controller	8.85/16	3.0	-40 to +150	1.5V	13.3V	1.87	1.81	1.65			
◆ 511-L6599AN	L6599AN	DIP-16	Improved high-voltage resonant controller	8.85/16	3.0	-40 to +150	1.5V	13.3V	2.46	2.26	1.95			
◆ 511-L6699D	L6699D	SO-16N	Enhanced high-voltage resonant controller	8.85/16	3.0	-40 to +150	1.5V	13.3V	4.76	3.83	3.48			
Evaluation Boards									Description			Price Each		
◆ 511-EVL6562ATM80W	EVL6562A-TM-80W	80 watt high performance transition mode PFC (L6562A) evaluation board							12.50					
◆ 511-EVL130W-STRLIG	EVL130W-STRLIG	48V - 130W LED street lighting SMPS evaluation board based on L6562AT/L6599AT							105.00					

CONSTANT VOLTAGE/CONSTANT CURRENT CONTROLLER



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (Min/Max) (V)	Quiescent Current (Max) (μA)	Voltage Ref. Value (Max) (V)	I _{out} (Max) (mA)	Accuracy (%)	Operating Temp. Range (°C)	Price Each		
									1	10	100
◆ 511-SEA05TR	SEA05TR	SOT23-6L	3.5-36	300	2.52	20	0.5	-40 to 150	.79	.55	.47

POWER OVER ETHERNET (POE) PD INTERFACE AND PWM CONTROLLER

◆ Surface Mount Devices



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MOUSER STOCK NO.	STM Part No.	Package Type	Description	Inrush Current (mA)	R _{DS(ON)} (Typ) (Ω)	Input Current (Max)(mA)	Signature Resistor	Internal DC-DC Conv.	Topology	Price Each		
										1	10	100
◆ 511-PM8803TR	PM8803TR	HTSSOP-20	High efficiency integrated IEEE 802.3 interface	140	0.45	1000	No	Yes	Isolated	4.50	4.05	3.30

SYNCHRONOUS RECTIFICATION CONTROLLER

◆ Surface Mount Devices

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MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage (V)	Start-Up Current Typ/Max	Drivers Per Pack	Temp. Range (°C)	Price Each		
								1	10	100
◆ 511-SRK2000DTR	SRK2000DTR	SO-8	Synch rectifier smart driver for LLC resonant converter	4.5 to 32	45/70	2	-40 to +150	2.94	2.62	2.15

PULSE WIDTH MODULATORS (PWM)

◆ Surface Mount Devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Ref. Output Voltage Min/Typ/Max (V)	Output Current Max. (A)	Supply Voltage (V)	Freq. Typ./Max. (kHz)	Operating Supp.Curr. Typ. (mA)	Output Voltage Tol. (%)	Duty Cycle Max.(%)	Time (Typ.) (nS)		Price Each		
										Rise	Fall	1	10	100
◆ 511-L6591	L6591	SO-16	4.90/5.00/5.10	1	17	170/190	8	5.1	50	80	40	2.47	2.31	1.96
◆ 511-UC3842BD1013TR	UC3842BD1013TR	SO-8	4.90/5.00/5.10	1	30	52/55	12	2	100	50	50	.56	.50	.43
◆ 511-UC3843BD	UC3843BD1	SO-8	4.90/5.00/5.10	1	30	52/57	12	2	100	50	50	.63	.58	.478
◆ 511-UC3843BD1013TR	UC3843BD1013TR	SO-8	4.90/5.00/5.10	1	30	52/55	12	2	100	50	50	.56	.50	.43
◆ 511-UC3844BD1013TR	UC3844BD1013TR	SO-8	4.90/5.00/5.10	1	30	52/55	12	2	50	50	50	.93	.80	.63
◆ 511-SG2525AN	SG2525AN	DIP-16	5.05/5.10/5.15	0.5	40	--/400	12	1	49	100	50	.78	.73	.69
◆ 511-SG3524N	SG3524N	DIP-16	5.00/5.10/5.20	1	40	52/57	12	2	49	100	50	.91	.88	.82

PULSE WIDTH MODULATOR (PWM) CONTROLLERS

◆ Surface Mount Devices



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	Supply Current (mA)	Hysteresis (Typ.) (V)	Duty Cycle (Max) (%)	Time (Typ.) (nS)		Price Each		
							Rise	Fall	1	10	100
◆ 511-STOD03BTPUR	STOD03BTPUR	DFN-12L	2.3 to 4.5	150	5	87	-	-	4.83	4.26	3.53
◆ 511-STOD03ATPUR	STOD03ATPUR	DFN-12L	2.3 to 4.5	200	5	87	-	-	2.32	1.99	1.62
◆ 511-STODD03PQR	STODD03PQR	QFN-16L	4 to 6	2	15	90	-	-	2.83	2.50	2.07
◆ 511-L6599ATD	L6599ATD	SOIC-16	8.85 to 16	3.5	2.55	52	60	30	1.96	1.91	1.78
◆ 511-L6738A	L6738A	VFQFPN-16	5 to 12	9	0.2	100	-	-	2.94	2.63	2.17
◆ 511-L6738TR	L6738TR	QFPN-16	5 to 12	9	0.2	100	-	-	3.15	2.70	2.20

BATTERY MANAGEMENT ICs

◆ Surface Mount Devices



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MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage (V)	Supply Current (mA)	Price Each		
						1	10	100
◆ 511-L6924UTR	L6924UTR	VFQFPN-16	USB Compatible Battery Charger w/switch for Li-Ion/Li-Polymer	2.5 to 12	1.8	2.21	1.78	1.43
◆ 511-STBC08PMR	STBC08PMR	DFN-6	Constant current/constant voltage charger for single Li-Ion battery	4.25 to 6.5	0.5	.91	.86	.81
◆ 511-STC3100IST	STC3100IST	MiniSO-8	Monitors critical parameters (volt, temp and current) of a single Li-Ion battery	2.7 to 5.5	0.1	2.80	2.40	1.96
◆ 511-STC3105IQT	STC3105IQT	TDFN-8	Battery monitor w/alarm output for gas gauge app.	2.7 to 5.5	0.5	2.54	2.26	2.08