

CMZ5913B THRU CMZ5956B
SURFACE MOUNT SILICON
ZENER DIODES
1.5 WATT, 3.3 THRU 200 VOLT
± 5% TOLERANCE



www.centralsemi.com



SMA CASE

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMZ5913B series 1.5 Watt surface mount silicon Zener diodes are highly reliable components designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications where small size is required. The SMA case occupies 30% less board space than the SMB case.

**MARKING: SEE MARKING CODE ON
ELECTRICAL CHARACTERISTIC TABLE**

FEATURES:

- Super miniature case
- 200 Watts of TVS power
- ± 5% Tolerance
- High reliability
- "C" bend construction provides strain relief when mounted on pc board

MAXIMUM RATINGS: ($T_A=25^\circ\text{C}$ unless otherwise noted)

| | | SYMBOL | | UNITS |
|---|--|----------------|-------------|---------------------------|
| Peak Forward Surge Current, $t_p=8.3\text{ms}$ | | I_{FSM} | 10 | A |
| Power Dissipation ($T_L=75^\circ\text{C}$) | | P_D | 1.5 | W |
| Power Dissipation (Note 1) | | P_D | 0.5 | W |
| Peak Power Dissipation, $t_p=10\times 1000\mu\text{s}$ ($T_L<25^\circ\text{C}$) | | P_{PK} | 200 | W |
| Peak Power Dissipation, $t_p=8\times 20\mu\text{s}$ ($T_L<25^\circ\text{C}$) | | P_{PK} | 1000 | W |
| Operating and Storage Junction Temperature | | T_J, T_{stg} | -65 to +150 | $^\circ\text{C}$ |
| Thermal Resistance | | Θ_{JL} | 50 | $^\circ\text{C}/\text{W}$ |
| Thermal Resistance (Note 1) | | Θ_{JA} | 250 | $^\circ\text{C}/\text{W}$ |

Note 1: Mounted on 2 inch square FR-4 PCB with minimum recommended SMA copper pad area.

ELECTRICAL CHARACTERISTICS: ($T_A=25^\circ\text{C}$) $V_F=1.5\text{V}$ MAX @ $I_F=200\text{mA}$ (for all types)

| TYPE | ZENER VOLTAGE $V_Z @ I_{ZT}$ | | | TEST CURRENT | MAXIMUM ZENER IMPEDANCE | | | MAXIMUM REVERSE CURRENT | MAXIMUM ZENER CURRENT ($T_L=75^\circ\text{C}$) | MARKING CODE | |
|-----------|------------------------------------|-----|-------|-----------------|-------------------------------|-------------------|-------------------|-------------------------------|---|-----------------|--------|
| | MIN | NOM | MAX | | I_{ZT} | $Z_{ZT} @ I_{ZT}$ | $Z_{ZK} @ I_{ZK}$ | | | | |
| | V | V | V | mA | Ω | Ω | mA | μA | V | | |
| | | | | | | | | | mA | | |
| CMZ5913B* | 3.135 | 3.3 | 3.465 | 113.6 | 10 | 500 | 1.0 | 100 | 1.0 | 454 | C5913B |
| CMZ5914B* | 3.420 | 3.6 | 3.780 | 104.2 | 9.0 | 500 | 1.0 | 75 | 1.0 | 416 | C5914B |
| CMZ5915B* | 3.705 | 3.9 | 4.095 | 96.1 | 7.5 | 500 | 1.0 | 25 | 1.0 | 384 | C5915B |
| CMZ5916B* | 4.085 | 4.3 | 4.515 | 87.2 | 6.0 | 500 | 1.0 | 5.0 | 1.0 | 348 | C5916B |
| CMZ5917B* | 4.465 | 4.7 | 4.935 | 79.8 | 5.0 | 500 | 1.0 | 5.0 | 1.5 | 319 | C5917B |
| CMZ5918B* | 4.845 | 5.1 | 5.355 | 73.5 | 4.0 | 350 | 1.0 | 5.0 | 2.0 | 294 | C5918B |
| CMZ5919B | 5.320 | 5.6 | 5.880 | 66.9 | 2.0 | 250 | 1.0 | 5.0 | 3.0 | 267 | C5919B |
| CMZ5920B | 5.890 | 6.2 | 6.510 | 60.5 | 2.0 | 200 | 1.0 | 5.0 | 4.0 | 241 | C5920B |
| CMZ5921B | 6.460 | 6.8 | 7.140 | 55.1 | 2.5 | 200 | 1.0 | 5.0 | 5.2 | 221 | C5921B |
| CMZ5922B | 7.125 | 7.5 | 7.875 | 50.0 | 3.0 | 400 | 0.5 | 5.0 | 6.0 | 200 | C5922B |
| CMZ5923B | 7.790 | 8.2 | 8.610 | 45.7 | 3.5 | 400 | 0.5 | 5.0 | 6.5 | 183 | C5923B |
| CMZ5924B | 8.645 | 9.1 | 9.555 | 41.2 | 4.0 | 500 | 0.5 | 5.0 | 7.0 | 165 | C5924B |
| CMZ5925B | 9.500 | 10 | 10.50 | 37.5 | 4.5 | 500 | 0.25 | 5.0 | 8.0 | 150 | C5925B |
| CMZ5926B | 10.45 | 11 | 11.55 | 34.1 | 5.5 | 550 | 0.25 | 1.0 | 8.4 | 136 | C5926B |

*Available on special order; minimum quantity may apply; consult factory.

R12 (05-June 2023)

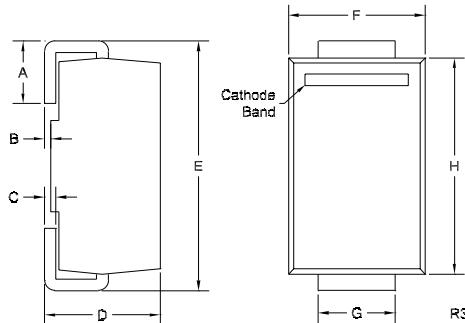
CMZ5913B THRU CMZ5956B
SURFACE MOUNT SILICON
ZENER DIODES
1.5 WATT, 3.3 THRU 200 VOLT
± 5% TOLERANCE



ELECTRICAL CHARACTERISTICS - Continued: (T_A=25°C) V_F=1.5V MAX @ I_F=200mA (for all types)

| TYPE | ZENER VOLTAGE V _Z @ I _{ZT} | | | TEST CURRENT I _{ZT} | MAXIMUM ZENER IMPEDANCE | | MAXIMUM REVERSE CURRENT | | MAXIMUM ZENER CURRENT (T _L =75°C) | MARKING CODE | |
|----------|---|-----|-------|---------------------------------|-----------------------------------|-----------------------------------|---------------------------------|-----------------|--|--------------|--------|
| | MIN | NOM | MAX | | Z _{ZT} @ I _{ZT} | Z _{ZK} @ I _{ZK} | I _R @ V _R | I _{ZM} | | | |
| | V | V | V | | mA | Ω | Ω | mA | μA | V | mA |
| CMZ5927B | 11.40 | 12 | 12.60 | 31.2 | 6.5 | 550 | 0.25 | 1.0 | 9.1 | 125 | C5927B |
| CMZ5928B | 12.35 | 13 | 13.65 | 28.8 | 7.0 | 550 | 0.25 | 1.0 | 9.9 | 115 | C5928B |
| CMZ5929B | 14.25 | 15 | 15.75 | 25.0 | 9.0 | 600 | 0.25 | 1.0 | 11.4 | 100 | C5929B |
| CMZ5930B | 15.20 | 16 | 16.80 | 23.4 | 10 | 600 | 0.25 | 1.0 | 12.2 | 94 | C5930B |
| CMZ5931B | 17.10 | 18 | 18.90 | 20.8 | 12 | 650 | 0.25 | 1.0 | 13.7 | 83 | C5931B |
| CMZ5932B | 19.00 | 20 | 21.00 | 18.7 | 14 | 650 | 0.25 | 1.0 | 15.2 | 75 | C5932B |
| CMZ5933B | 20.90 | 22 | 23.10 | 17.0 | 17.5 | 650 | 0.25 | 1.0 | 16.7 | 68 | C5933B |
| CMZ5934B | 22.80 | 24 | 25.20 | 15.6 | 19 | 700 | 0.25 | 1.0 | 18.2 | 63 | C5934B |
| CMZ5935B | 25.65 | 27 | 28.35 | 13.9 | 23 | 700 | 0.25 | 1.0 | 20.6 | 56 | C5935B |
| CMZ5936B | 28.50 | 30 | 31.50 | 12.5 | 26 | 750 | 0.25 | 1.0 | 22.8 | 50 | C5936B |
| CMZ5937B | 31.35 | 33 | 34.65 | 11.4 | 33 | 800 | 0.25 | 1.0 | 25.1 | 45 | C5937B |
| CMZ5938B | 34.20 | 36 | 37.80 | 10.4 | 38 | 850 | 0.25 | 1.0 | 27.4 | 42 | C5938B |
| CMZ5939B | 37.05 | 39 | 40.95 | 9.6 | 45 | 900 | 0.25 | 1.0 | 29.7 | 38 | C5939B |
| CMZ5940B | 40.85 | 43 | 45.15 | 8.7 | 53 | 950 | 0.25 | 1.0 | 32.7 | 35 | C5940B |
| CMZ5941B | 44.65 | 47 | 49.35 | 8.0 | 67 | 1000 | 0.25 | 1.0 | 35.8 | 32 | C5941B |
| CMZ5942B | 48.45 | 51 | 53.55 | 7.3 | 70 | 1100 | 0.25 | 1.0 | 38.8 | 29 | C5942B |
| CMZ5943B | 53.20 | 56 | 58.80 | 6.7 | 86 | 1300 | 0.25 | 1.0 | 42.6 | 27 | C5943B |
| CMZ5944B | 58.90 | 62 | 65.10 | 6.0 | 100 | 1500 | 0.25 | 1.0 | 47.1 | 24 | C5944B |
| CMZ5945B | 64.60 | 68 | 71.40 | 5.5 | 120 | 1700 | 0.25 | 1.0 | 51.7 | 22 | C5945B |
| CMZ5946B | 71.25 | 75 | 78.75 | 5.0 | 140 | 2000 | 0.25 | 1.0 | 56.0 | 20 | C5946B |
| CMZ5947B | 77.90 | 82 | 86.10 | 4.6 | 160 | 2500 | 0.25 | 1.0 | 62.2 | 18 | C5947B |
| CMZ5948B | 86.45 | 91 | 95.55 | 4.1 | 200 | 3000 | 0.25 | 1.0 | 69.2 | 16 | C5948B |
| CMZ5949B | 95.00 | 100 | 105.0 | 3.7 | 250 | 3100 | 0.25 | 1.0 | 76.0 | 15 | C5949B |
| CMZ5950B | 104.5 | 110 | 115.5 | 3.4 | 300 | 4000 | 0.25 | 1.0 | 83.6 | 13 | C5950B |
| CMZ5951B | 114.0 | 120 | 126.0 | 3.1 | 360 | 4500 | 0.25 | 1.0 | 91.2 | 12 | C5951B |
| CMZ5952B | 123.5 | 130 | 136.5 | 2.9 | 450 | 5000 | 0.25 | 1.0 | 98.8 | 11 | C5952B |
| CMZ5953B | 142.5 | 150 | 157.5 | 2.5 | 600 | 6000 | 0.25 | 1.0 | 114.0 | 10 | C5953B |
| CMZ5954B | 152.0 | 160 | 168.0 | 2.3 | 700 | 6500 | 0.25 | 1.0 | 121.6 | 9.0 | C5954B |
| CMZ5955B | 171.0 | 180 | 189.0 | 2.1 | 900 | 7000 | 0.25 | 1.0 | 136.8 | 8.0 | C5955B |
| CMZ5956B | 190.0 | 200 | 210.0 | 1.9 | 1200 | 8000 | 0.25 | 1.0 | 152.0 | 7.0 | C5956B |

SMA CASE - MECHANICAL OUTLINE



| SYMBOL | DIMENSIONS | | | |
|--------|------------|-------|-------------|------|
| | INCHES | | MILLIMETERS | |
| A | 0.030 | 0.060 | 0.76 | 1.52 |
| B | 0.002 | 0.008 | 0.05 | 0.20 |
| C | 0.006 | 0.012 | 0.15 | 0.30 |
| D | 0.078 | 0.103 | 1.98 | 2.62 |
| E | 0.188 | 0.220 | 4.78 | 5.59 |
| F | 0.090 | 0.115 | 2.29 | 2.92 |
| G | 0.050 | 0.070 | 1.27 | 1.78 |
| H | 0.157 | 0.181 | 3.99 | 4.60 |

SMA (REV:R3)

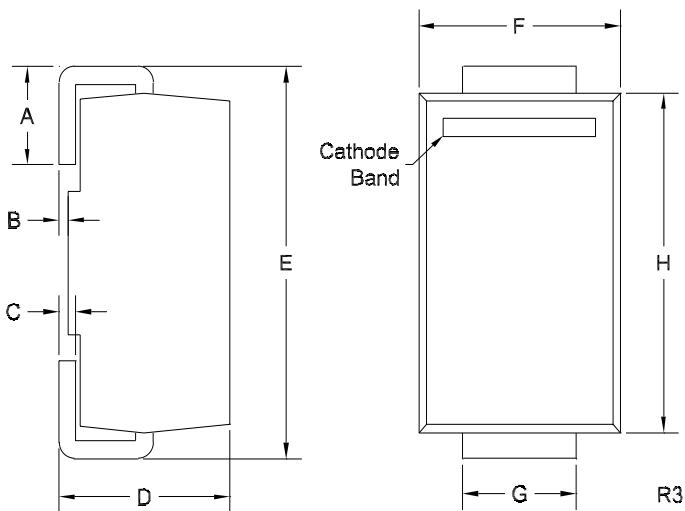
R12 (05-June 2023)

Package Details

SMA Case



Mechanical Drawing



| DIMENSIONS | | | | |
|------------|--------|-------|-------------|------|
| SYMBOL | INCHES | | MILLIMETERS | |
| | MIN | MAX | MIN | MAX |
| A | 0.030 | 0.060 | 0.76 | 1.52 |
| B | 0.002 | 0.008 | 0.05 | 0.20 |
| C | 0.006 | 0.012 | 0.15 | 0.30 |
| D | 0.078 | 0.103 | 1.98 | 2.62 |
| E | 0.188 | 0.220 | 4.78 | 5.59 |
| F | 0.090 | 0.115 | 2.29 | 2.92 |
| G | 0.050 | 0.070 | 1.27 | 1.78 |
| H | 0.157 | 0.181 | 3.99 | 4.60 |

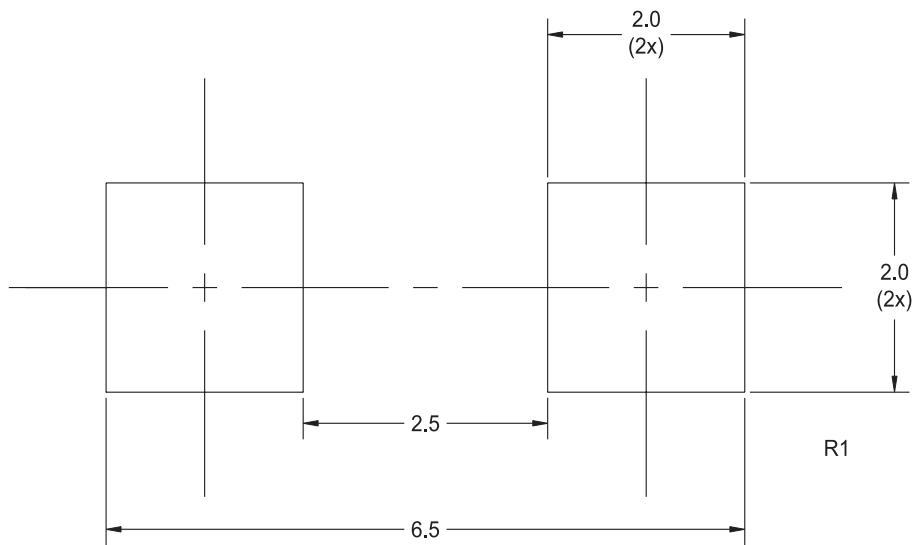
SMA (REV:R3)

Lead Code:

Reference individual device datasheet.

Part Marking: 4-6 Character Alpha/Numeric Code

Mounting Pad Geometry (Dimensions in mm)

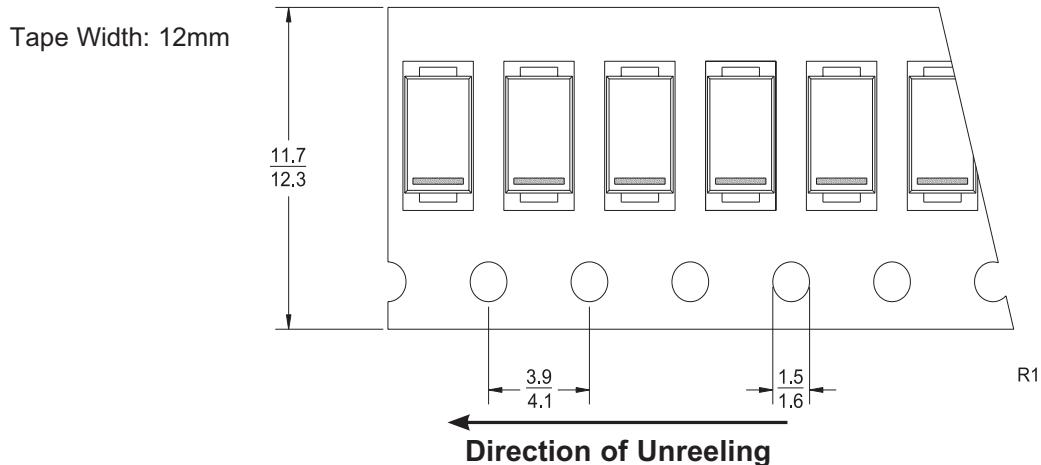


Package Details

SMA Case



Tape Dimensions and Orientation (Dimensions in mm)



Devices are taped in accordance with Electronic Industries Association Standard EIA-481-D

Packaging Base

13" Reel = 5,000 pcs.

Reel Labeling Information

Each reel is labeled with the following information:

Central Part Number, Customer Part Number, Purchase Order Number, Quantity, Lot Number, Date Code and Ship Date.

Reel Packing Information

| Reel Size | Reels per Box (Maximum) | Parts per Box (Maximum) | Box Dimensions | | Shipping Weight (Max.) | |
|-----------|-------------------------|-------------------------|----------------|----------|------------------------|----|
| | | | INCH | CM | LB | KG |
| 13" | 5 | 25,000 | 15x4x15 | 38x10x38 | 9 | 5 |
| | 14 | 70,000 | 15x15x9 | 38x38x23 | 23 | 11 |
| | 26 | 130,000 | 15x15x18 | 38x38x46 | 42 | 20 |

Ordering Information

- For devices taped and reeled on 13" reels, add TR13 suffix to part number.
- All SMDs are available in small quantities for prototype and manual placement applications.

Material Composition Specification

SMA Case



Device average mass 67.9 mg
 Fluctuation margin +/-10%

| Component | Material | Material | | Substance | CAS No. | Substance | | |
|----------------|-------------------------------|----------|-------|--------------------------------|------------|-----------|--------|---------|
| | | (%wt) | (mg) | | | (%wt) | (mg) | (ppm) |
| active device | doped Si | 1.12% | 0.76 | Si | 7440-21-3 | 1.12% | 0.76 | 11,193 |
| leadframe | copper | 40.64% | 27.59 | Cu | 7440-50-8 | 40.64% | 27.59 | 406,351 |
| die attach | high temperature solder paste | 3.31% | 2.25 | Pb | 7439-92-1 | 3.06% | 2.081 | 30,649 |
| | | | | Sn | 7440-31-5 | 0.17% | 0.113 | 1,664 |
| | | | | Ag | 7440-22-4 | 0.08% | 0.056 | 825 |
| encapsulation* | EMC | 54.04% | 36.69 | silica | 7631-86-9 | 36.75% | 24.95 | 367,468 |
| | | | | epoxy resin | 29690-82-2 | 10.81% | 7.338 | 108,075 |
| | | | | phenol resin | 9003-35-4 | 5.4% | 3.669 | 54,038 |
| | | | | Sb ₂ O ₃ | 1309-64-4 | 0.54% | 0.367 | 5,405 |
| | | | | Br | 7726-95-6 | 0.54% | 0.367 | 5,405 |
| | EMC GREEN | 54.04% | 36.69 | silica (fused) | 60676-86-0 | 41.61% | 28.253 | 416,116 |
| | | | | epoxy resin | 29690-82-2 | 5.4% | 3.669 | 54,038 |
| | | | | phenol resin | 9003-35-4 | 5.24% | 3.559 | 52,418 |
| | | | | carbon black | 1333-86-4 | 0.16% | 0.11 | 1,620 |
| | | | | metal hydroxide | 1309-42-8 | 1.62% | 1.1 | 16,201 |
| plating** | tin/lead process | 0.89% | 0.61 | Sn | 7440-31-5 | 0.71% | 0.485 | 7,143 |
| | | | | Pb | 7439-92-1 | 0.18% | 0.121 | 1,782 |
| | matte tin | 0.89% | 0.61 | Sn | 7440-31-5 | 0.89% | 0.606 | 8,925 |

*EMC GREEN molding compound is Halogen-Free.

**For Lead Free plating, add suffix "PB FREE" to part number.

For Tin/Lead plating, add suffix "TIN/LEAD" to part number.

No suffix designation allows for the supply of either lead-free or tin/lead plated product depending on availability.

Disclaimer

The information provided in this Material Composition data sheet is, to the best of our knowledge, correct. However, there is no guarantee to completeness or accuracy, as some information is derived from data sources outside the company.

R5 (16-July 2018)

www.centralsemi.com

OUTSTANDING SUPPORT AND SUPERIOR SERVICES



PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options
- Custom bar coding for shipments
- Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities
- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

REQUESTING PRODUCT PLATING

1. If requesting Tin/Lead plated devices, add the suffix " TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix " PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

CONTACT US

Corporate Headquarters & Customer Support Team

Central Semiconductor Corp.

145 Adams Avenue
Hauppauge, NY 11788 USA
Main Tel: (631) 435-1110
Main Fax: (631) 435-1824
Support Team Fax: (631) 435-3388
www.centralsemi.com

Worldwide Field Representatives:
www.centralsemi.com/wwreps

Worldwide Distributors:
www.centralsemi.com/wwdistributors

For the latest version of Central Semiconductor's **LIMITATIONS AND DAMAGES DISCLAIMER**, which is part of Central's Standard Terms and Conditions of sale, visit: www.centralsemi.com/terms



<https://www.centralsemi.com>

Product End of Life Notification

| | |
|--------------------|------------|
| PDN ID: | PDN01283 |
| Notification Date: | 2/02/26 |
| Last Buy Date: | Stock Only |
| Last Shipment Date | Stock Only |

Please be advised that Central Semiconductor must immediately discontinue the product(s) listed in the attached PDN notice. Orders can only be accepted for products with available inventory on hand.

You may have purchased one or more of the products listed. Please do not hesitate to contact your local Central Semiconductor sales representative with any questions or needs you may have. Central regrets any inconvenience this may cause.

Sincerely,

Central Semiconductor, LLC

DISCLAIMER: This End of Life (EOL) notification is in accordance with JEDEC standard JESD48 - Product Discontinuance. Central Semiconductor will make every effort to offer life-time buy (LTB) opportunities and/or offer replacement devices to existing customers for discontinued devices, however, one or both may not be possible for all devices. Please contact your local Central Semiconductor sales representative for LTB opportunities/additional information.



<https://www.centralsemi.com>

Product End of Life Notification

| | |
|--------------------|------------|
| PDN ID: | PDN01283 |
| Notification Date: | 2/02/26 |
| Last Buy Date: | Stock Only |
| Last Shipment Date | Stock Only |

Summary: The following Zener diodes in the SMA and SMB cases are discontinued and now classified as End of Life (EOL).

Although Central Semiconductor makes every effort to continue to produce devices that have been proclaimed EOL (End of Life) by other manufacturers, it is an accepted industry practice to discontinue certain devices when customer demand falls below a minimum level of sustainability. Accordingly, the following product(s) have been transitioned to End of Life status as part of Central's ongoing Product Portfolio Management. Any replacement products are noted below. The effective date for placing last purchase orders will be six (6) months from the date of this notice and twelve (12) months from the notice date for final shipments, and minimum order quantities may apply. The last purchase and shipment dates may be extended if inventory is available.

* All Plating types (PBFREE, TIN/LEAD) for each item listed are included in this notice.

| Central Part Number | Suggested Replacement |
|---------------------|-----------------------|
| CMZ5946B BK | N/A |
| CMZ5946B TR13 | N/A |
| CMZ5946BP TR13 | N/A |
| CMZ5947B BK | N/A |
| CMZ5947B TR13 | N/A |
| CMZ5947BP TR13 | N/A |
| CMZ5948B BK | N/A |
| CMZ5948B TR13 | N/A |
| CMZ5948BP TR13 | N/A |
| CMZ5949B BK | N/A |
| CMZ5949B TR13 | N/A |
| CMZ5949BP TR13 | N/A |
| CMZ5950B BK | N/A |
| CMZ5950B TR13 | N/A |
| CMZ5950BP TR13 | N/A |
| CMZ5951B BK | N/A |
| CMZ5951B TR13 | N/A |
| CMZ5951BP TR13 | N/A |
| CMZ5952B BK | N/A |
| CMZ5952B TR13 | N/A |
| CMZ5952BP TR13 | N/A |
| CMZ5953B BK | N/A |
| CMZ5953B TR13 | N/A |
| CMZ5953BP TR13 | N/A |
| CMZ5954B BK | N/A |
| CMZ5954B TR13 | N/A |
| CMZ5954BP BK | N/A |
| CMZ5954BP TR13 | N/A |
| CMZ5955B BK | N/A |
| CMZ5955B TR13 | N/A |
| CMZ5955BP BK | N/A |
| CMZ5955BP TR13 | N/A |
| CMZ5956B BK | N/A |
| CMZ5956B TR13 | N/A |
| CMZ5956BP TR13 | N/A |

Central would be happy to assist you by providing additional information or technical data to help locate an alternate source if we have no replacement available. If you would like assistance, please visit

DISCONTINUED.HTM This End of Life (EOL) notice is in accordance with JEDEC standard JESD48 - Product Discontinuance. Central Semiconductor will make every effort to offer life-time buy (LTB) opportunities and/or offer replacement devices to existing customers for discontinued devices, however, one or both may not be possible for all devices. Please contact your local Central Semiconductor sales representative for LTB opportunities/additional information.

Product End of Life Notification

| | |
|--------------------|----------|
| PDN ID: | PDN01081 |
| Notification Date: | 4/30/18 |
| Last Buy Date: | 10/30/18 |
| Last Shipment Date | 4/30/19 |

Summary: All low voltage Zener diodes, less than 5.6V, in the SMA, SMB and SMC case types are discontinued and now classified as End of Life (EOL).

Although Central Semiconductor Corp. makes every effort to continue to produce devices that have been proclaimed EOL (End of Life) by other manufacturers, it is an accepted industry practice to discontinue certain devices when customer demand falls below a minimum level of sustainability. Accordingly, the following product(s) have been transitioned to End of Life status as part of Central's ongoing Product Management Process. Any replacement products are noted below. The effective date for placing last purchase orders will be six (6) months from the date of this notice and twelve (12) months from the notice date for final shipments, and minimum order quantities may apply. The last purchase and shipment dates may be extended if inventory is available.

| <u>Central Part Number</u> | <u>Replacement</u> |
|-----------------------------------|---------------------------|
| CMZ5334B BK | N/A |
| CMZ5334B TR13 | N/A |
| CMZ5335B BK | N/A |
| CMZ5335B TR13 | N/A |
| CMZ5336B BK | N/A |
| CMZ5336B TR13 | N/A |
| CMZ5337B BK | N/A |
| CMZ5337B TR13 | N/A |
| CMZ5338B BK | N/A |
| CMZ5338B TR13 | N/A |
| CMZ5913B BK | N/A |
| CMZ5913B TR13 | N/A |
| CMZ5914B BK | N/A |
| CMZ5914B TR13 | N/A |
| CMZ5914BP BK | N/A |
| CMZ5914BP TR13 | N/A |
| CMZ5915B BK | N/A |
| CMZ5915B TR13 | N/A |
| CMZ5915BP TR13 | N/A |
| CMZ5916B BK | N/A |
| CMZ5916B TR13 | N/A |
| CMZ5916BP TR13 | N/A |
| CMZ5917B BK | N/A |
| CMZ5917B TR13 | N/A |
| CMZ5917BP BK | N/A |
| CMZ5917BP TR13 | N/A |
| CMZ5918B BK | N/A |
| CMZ5918B TR13 | N/A |
| CMZ5918BP BK | N/A |
| CMZ5918BP TR13 | N/A |

Central would be happy to assist you by providing additional information or technical data to help locate an alternate source if we have no replacement available. Please email your requests to engineering@centralesemi.com.

DISCLAIMER: This End of Life (EOL) notification is in accordance with JEDEC standard JESD48 - Product Discontinuance. Central Semiconductor Corp. will make every effort to offer life-time buy (LTB) opportunities and/or offer replacement devices to existing customers for discontinued devices, however, one or both may not be possible for all devices. Please contact your local Central Semiconductor sales representative for LTB opportunities/additional information.