

Surface Mount Zener Diodes

(Pb) Lead(Pb)-Free

Features:

- * Glass passivated chip
- * Low leakage
- * Built-in strain relief
- * Low inductance
- * High peak reverse power dissipation
- * For use in stabilizing and clipping circuits with high power rating

Mechanical Data

- * Case: Molded plastic SMC/DO-214AB
- * Epoxy: UL 94V-0 rate flame retardant
- * Terminals: Solderable per MIL-STD-750 method 2026
- * Polarity: cathode band
- * Mounting position: Any
- * Weight: 0.21 gram

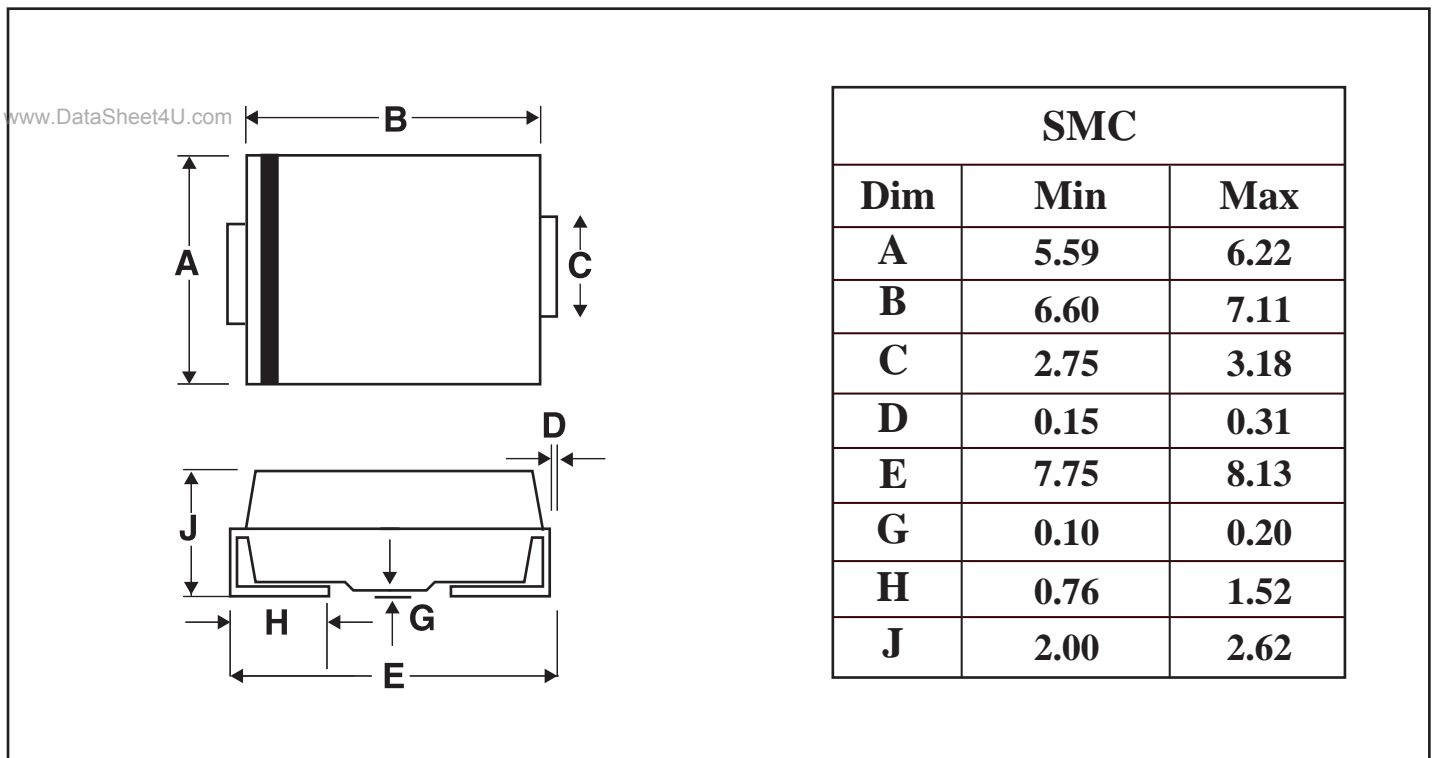
**SURFACE MOUNT
ZENER DIODES
5.0 WATTS**



SMC(DO-214AB)

SMC Outline Dimension

Unit:mm



MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

| Parameter | Symbol | Value | UNIT |
|-----------------------------------|------------------|-------------|------|
| DC Power Dissipation at TL = 50°C | P _D | 5.0 | W |
| Junction Temperature Range | T _J | -55 to +175 | °C |
| Storage Temperature Range | T _{STG} | -55 to +175 | °C |

| Part Number | Nominal Zener Voltage | | Max. Zener Impedance | | | | Max. Reverse Leakage Current | | Max. DC Zener Current | Marking Code |
|-------------|----------------------------------|-------|-----------------------------------|-------|-----------------------------------|------|---------------------------------|------|-----------------------|--------------|
| | V _Z @ I _{ZT} | | Z _{ZT} @ I _{ZT} | | Z _{ZK} @ I _{ZK} | | I _R @ V _R | | I _{ZM} | |
| | Nom. V | mA | Ω | mA | Ω | mA | uA | V | mA | |
| SMC5342B | 6.8 | 175.0 | 1.0 | 175.0 | 200.0 | 1.00 | 150.0 | 5.2 | 700.0 | 42B |
| SMC5343B | 7.5 | 175.0 | 1.5 | 175.0 | 200.0 | 1.00 | 150.0 | 5.7 | 630.0 | 43B |
| SMC5344B | 8.2 | 150.0 | 1.5 | 150.0 | 200.0 | 1.00 | 150.0 | 6.2 | 580.0 | 44B |
| SMC5345B | 8.7 | 150.0 | 2.0 | 150.0 | 200.0 | 1.00 | 150.0 | 6.6 | 545.0 | 45B |
| SMC5346B | 9.1 | 150.0 | 2.0 | 150.0 | 150.0 | 1.00 | 150.0 | 6.9 | 520.0 | 46B |
| SMC5347B | 10.0 | 125.0 | 2.0 | 125.0 | 125.0 | 1.00 | 150.0 | 7.6 | 475.0 | 47B |
| SMC5348B | 11.0 | 125.0 | 2.5 | 125.0 | 125.0 | 1.00 | 50.0 | 8.4 | 430.0 | 48B |
| SMC5349B | 12.0 | 100.0 | 3.0 | 100.0 | 125.0 | 1.00 | 2.0 | 9.1 | 395.0 | 49B |
| SMC5350B | 13.0 | 100.0 | 3.0 | 100.0 | 100.0 | 1.00 | 1.0 | 9.9 | 365.0 | 50B |
| SMC5351B | 14.0 | 100.0 | 3.0 | 100.0 | 75.0 | 1.00 | 1.0 | 10.6 | 340.0 | 51B |
| SMC5352B | 15.0 | 75.0 | 3.0 | 75.0 | 75.0 | 1.00 | 1.0 | 11.5 | 315.0 | 52B |
| SMC5353B | 16.0 | 75.0 | 3.0 | 75.0 | 75.0 | 1.00 | 1.0 | 12.2 | 295.0 | 53B |
| SMC5354B | 17.0 | 70.0 | 3.0 | 70.0 | 75.0 | 1.00 | 0.5 | 12.9 | 280.0 | 54B |
| SMC5355B | 18.0 | 65.0 | 3.0 | 65.0 | 75.0 | 1.00 | 0.5 | 13.7 | 265.0 | 55B |
| SMC5356B | 19.0 | 65.0 | 3.0 | 65.0 | 75.0 | 1.00 | 0.5 | 14.4 | 250.0 | 56B |
| SMC5357B | 20.0 | 65.0 | 3.0 | 65.0 | 75.0 | 1.00 | 0.5 | 15.2 | 237.0 | 57B |
| SMC5358B | 22.0 | 50.0 | 4.0 | 50.0 | 75.0 | 1.00 | 0.5 | 16.7 | 216.0 | 58B |
| SMC5359B | 24.0 | 50.0 | 4.0 | 50.0 | 100.0 | 1.00 | 0.5 | 18.2 | 198.0 | 59B |
| SMC5360B | 25.0 | 50.0 | 4.0 | 50.0 | 110.0 | 1.00 | 0.5 | 19.0 | 190.0 | 60B |
| SMC5361B | 27.0 | 50.0 | 5.0 | 50.0 | 120.0 | 1.00 | 0.5 | 20.6 | 176.0 | 61B |
| SMC5362B | 28.0 | 50.0 | 6.0 | 50.0 | 130.0 | 1.00 | 0.5 | 21.2 | 170.0 | 62B |
| SMC5363B | 30.0 | 40.0 | 8.0 | 40.0 | 140.0 | 1.00 | 0.5 | 22.8 | 158.0 | 63B |
| SMC5364B | 33.0 | 40.0 | 10.0 | 40.0 | 150.0 | 1.00 | 0.5 | 25.1 | 144.0 | 64B |
| SMC5365B | 36.0 | 30.0 | 11.0 | 30.0 | 160.0 | 1.00 | 0.5 | 27.4 | 132.0 | 65B |
| SMC5366B | 39.0 | 30.0 | 14.0 | 30.0 | 170.0 | 1.00 | 0.5 | 29.7 | 122.0 | 66B |
| SMC5367B | 43.0 | 30.0 | 20.0 | 30.0 | 190.0 | 1.00 | 0.5 | 32.7 | 110.0 | 67B |
| SMC5368B | 47.0 | 25.0 | 25.0 | 25.0 | 210.0 | 1.00 | 0.5 | 35.8 | 100.0 | 68B |
| SMC5369B | 51.0 | 25.0 | 27.0 | 25.0 | 230.0 | 1.00 | 0.5 | 38.8 | 93.0 | 69B |
| SMC5370B | 56.0 | 20.0 | 35.0 | 20.0 | 280.0 | 1.00 | 0.5 | 42.6 | 86.0 | 70B |
| SMC5371B | 60.0 | 20.0 | 40.0 | 20.0 | 350.0 | 1.00 | 0.5 | 42.5 | 79.0 | 71B |
| SMC5372B | 62.0 | 20.0 | 42.0 | 20.0 | 400.0 | 1.00 | 0.5 | 47.1 | 76.0 | 72B |
| SMC5373B | 68.0 | 20.0 | 44.0 | 20.0 | 500.0 | 1.00 | 0.5 | 51.7 | 70.0 | 73B |
| SMC5374B | 75.0 | 20.0 | 45.0 | 20.0 | 620.0 | 1.00 | 0.5 | 56.0 | 63.0 | 74B |
| SMC5375B | 82.0 | 15.0 | 65.0 | 15.0 | 720.0 | 1.00 | 0.5 | 62.2 | 58.0 | 75B |
| SMC5376B | 87.0 | 15.0 | 75.0 | 15.0 | 760.0 | 1.00 | 0.5 | 66.0 | 54.5 | 76B |
| SMC5377B | 91.0 | 15.0 | 75.0 | 15.0 | 760.0 | 1.00 | 0.5 | 69.2 | 52.5 | 77B |
| SMC5378B | 100.0 | 12.0 | 90.0 | 12.0 | 800.0 | 1.00 | 0.5 | 76.0 | 47.5 | 78B |