

SOT-23 DIODES (continued)

Zener Voltage Regulator Diodes

Pinout: 1-Anode, 2-NC, 3-Cathode ($V_F = 0.9 \text{ V Max @ } I_F = 10 \text{ mA}$ for all types.)

| Device | Marking | Test Current I_{ZT} mA | Zener Voltage $V_Z (\pm 5\%)$ Nominal ⁽¹⁾ | Z_{ZK} $I_Z = 0.25 \text{ mA}$ $\Omega \text{ Max}$ | Z_{ZT} $I_Z = I_{ZT}$ @ 10% Mode $\Omega \text{ Max}$ | Max I_R μA | @ V_R V |
|---------------------|---------|--------------------------------|--|---|--|-------------------------------|-----------------|
| MMBZ5221BLT1 | 18A | 20 | 2.4 | 1200 | 30 | 100 | 1 |
| MMBZ5222BLT1 | 18B | 20 | 2.5 | 1250 | 30 | 100 | 1 |
| MMBZ5223BLT1 | 18C | 20 | 2.7 | 1300 | 30 | 75 | 1 |
| MMBZ5224BLT1 | 18D | 20 | 2.8 | 1400 | 30 | 75 | 1 |
| MMBZ5225BLT1 | 18E | 20 | 3 | 1600 | 29 | 50 | 1 |
| MMBZ5226BLT1 | 8A | 20 | 3.3 | 1600 | 28 | 25 | 1 |
| MMBZ5227BLT1 | 8B | 20 | 3.6 | 1700 | 24 | 15 | 1 |
| MMBZ5228BLT1 | 8C | 20 | 3.9 | 1900 | 23 | 10 | 1 |
| MMBZ5229BLT1 | 8D | 20 | 4.3 | 2000 | 22 | 5 | 1 |
| MMBZ5230BLT1 | 8E | 20 | 4.7 | 1900 | 19 | 5 | 2 |
| MMBZ5231BLT1 | 8F | 20 | 5.1 | 1600 | 17 | 5 | 2 |
| MMBZ5232BLT1 | 8G | 20 | 5.6 | 1600 | 11 | 5 | 3 |
| MMBZ5233BLT1 | 8H | 20 | 6 | 1600 | 7 | 5 | 3.5 |
| MMBZ5234BLT1 | 8J | 20 | 6.2 | 1000 | 7 | 5 | 4 |
| MMBZ5235BLT1 | 8K | 20 | 6.8 | 750 | 5 | 3 | 5 |
| MMBZ5236BLT1 | 8L | 20 | 7.5 | 500 | 6 | 3 | 6 |
| MMBZ5237BLT1 | 8M | 20 | 8.2 | 500 | 8 | 3 | 6.5 |
| MMBZ5238BLT1 | 8N | 20 | 8.7 | 600 | 8 | 3 | 6.5 |
| MMBZ5239BLT1 | 8P | 20 | 9.1 | 600 | 10 | 3 | 7 |
| MMBZ5240BLT1 | 8Q | 20 | 10 | 600 | 17 | 3 | 8 |
| MMBZ5241BLT1 | 8R | 20 | 11 | 600 | 22 | 2 | 8.4 |
| MMBZ5242BLT1 | 8S | 20 | 12 | 600 | 30 | 1 | 9.1 |
| MMBZ5243BLT1 | 8T | 9.5 | 13 | 600 | 13 | 0.5 | 9.9 |
| MMBZ5244BLT1 | 8U | 9 | 14 | 600 | 15 | 0.1 | 10 |
| MMBZ5245BLT1 | 8V | 8.5 | 15 | 600 | 16 | 0.1 | 11 |
| MMBZ5246BLT1 | 8W | 7.8 | 16 | 600 | 17 | 0.1 | 12 |
| MMBZ5247BLT1 | 8X | 7.4 | 17 | 600 | 19 | 0.1 | 13 |
| MMBZ5248BLT1 | 8Y | 7 | 18 | 600 | 21 | 0.1 | 14 |
| MMBZ5249BLT1 | 8Z | 6.6 | 19 | 600 | 23 | 0.1 | 14 |
| MMBZ5250BLT1 | 81A | 6.2 | 20 | 600 | 25 | 0.1 | 15 |
| MMBZ5251BLT1 | 81B | 5.6 | 22 | 600 | 29 | 0.1 | 17 |
| MMBZ5252BLT1 | 81C | 5.2 | 24 | 600 | 33 | 0.1 | 18 |
| MMBZ5253BLT1 | 81D | 5 | 25 | 600 | 35 | 0.1 | 19 |
| MMBZ5254BLT1 | 81E | 4.6 | 27 | 600 | 41 | 0.1 | 21 |
| MMBZ5255BLT1 | 81F | 4.5 | 28 | 600 | 44 | 0.1 | 21 |
| MMBZ5256BLT1 | 81G | 4.2 | 30 | 600 | 49 | 0.1 | 23 |
| MMBZ5257BLT1 | 81H | 3.8 | 33 | 700 | 58 | 0.1 | 25 |
| MMBZ5258BLT1 | 81J | 3.4 | 36 | 700 | 70 | 0.1 | 27 |
| MMBZ5259BLT1 | 81K | 3.2 | 39 | 800 | 80 | 0.1 | 30 |
| MMBZ5260BLT1 | 81L | 3 | 43 | 900 | 93 | 0.1 | 33 |
| MMBZ5261BLT1 | 81M | 2.7 | 47 | 1000 | 105 | 0.1 | 36 |
| MMBZ5262BLT1 | 81N | 2.5 | 51 | 1100 | 125 | 0.1 | 39 |
| MMBZ5263BLT1 | 81P | 2.2 | 56 | 1300 | 150 | 0.1 | 43 |
| MMBZ5264BLT1 | 81Q | 2.1 | 60 | 1400 | 170 | 0.1 | 46 |
| MMBZ5265BLT1 | 81R | 2 | 62 | 1400 | 185 | 0.1 | 47 |
| MMBZ5266BLT1 | 81S | 1.8 | 68 | 1600 | 230 | 0.1 | 52 |
| MMBZ5267BLT1 | 81T | 1.7 | 75 | 1700 | 270 | 0.1 | 56 |
| MMBZ5268BLT1 | 81U | 1.5 | 82 | 2000 | 330 | 0.1 | 62 |
| MMBZ5269BLT1 | 81V | 1.4 | 87 | 2200 | 370 | 0.1 | 68 |
| MMBZ5270BLT1 | 81W | 1.4 | 91 | 2300 | 400 | 0.1 | 69 |

⁽¹⁾ V_Z is measured at pulse test current (I_{ZT}) at an ambient temperature of 25°C.

See Packaging Information under Technical Data Section for reel size, quantity and ordering information.

Devices listed in bold, italic are Motorola preferred devices.