

## Product Overview

### MMSZ52: Zener Diode 500 mW SOD-123

For complete documentation, see the data sheet.

Three complete series of Zener diodes are offered in the convenient, surface mount plastic SOD-123 package. These devices provide a convenient alternative to the leadless 34-package style.

### Features

- 500 mW Rating on FR-4 or FR-5 Board
- Wide Zener Reverse Voltage Range - 2.4 V to 110 V
- Package Designed for Optimal Automated Board Assembly
- Small Package Size for High Density Applications
- General Purpose, Medium Current
- ESD Rating of Class 3 (exceeding 16 kV) per the Human Body Model
- CASE: Void-free, transfer-molded, thermosetting plastic case
- FINISH: Corrosion resistant finish, easily solderable
- MAXIMUM CASE TEMPERATURE FOR SOLDERING PURPOSES: 260°C for 10 Seconds
- POLARITY: Cathode indicated by polarity band

For more features, see the data sheet

## Part Electrical Specifications

| Product      | Pricing (\$/Unit) | Compliance             | Status | V <sub>Z</sub> Typ (V) | P Max (W) | Package Type |
|--------------|-------------------|------------------------|--------|------------------------|-----------|--------------|
| MMSZ5221BT1G | 0.0247            | Pb-free<br>Halide free | Active | 2.4                    | 0.5       | SOD-123      |
| MMSZ5222BT1G | 0.0247            | Pb-free<br>Halide free | Active | 2.5                    | 0.5       | SOD-123      |
| MMSZ5225BT1G | 0.0247            | Pb-free<br>Halide free | Active | 3                      | 0.5       | SOD-123      |
| MMSZ5226BT1G | 0.0247            | Pb-free<br>Halide free | Active | 3.3                    | 0.5       | SOD-123      |
| MMSZ5226CT1G | 0.0193            | Pb-free<br>Halide free | Active | 3.3                    | 0.5       | SOD-123      |
| MMSZ5227BT1G | 0.0247            | Pb-free<br>Halide free | Active | 3.6                    | 0.5       | SOD-123      |
| MMSZ5228BT1G | 0.0247            | Pb-free<br>Halide free | Active | 3.9                    | 0.5       | SOD-123      |
| MMSZ5229BT1G | 0.0247            | Pb-free<br>Halide free | Active | 4.3                    | 0.5       | SOD-123      |
| MMSZ5230BT1G | 0.0247            | Pb-free<br>Halide free | Active | 4.7                    | 0.5       | SOD-123      |
| MMSZ5231BT1G | 0.0247            | Pb-free<br>Halide free | Active | 5.1                    | 0.5       | SOD-123      |
| MMSZ5231BT3G | 0.0247            | Pb-free<br>Halide free | Active | 5.1                    | 0.5       | SOD-123      |
| MMSZ5231CT1G | 0.0599            | Pb-free<br>Halide free | Active | 5.1                    | 0.5       | SOD-123      |
| MMSZ5232BT1G | 0.0247            | Pb-free<br>Halide free | Active | 5.6                    | 0.5       | SOD-123      |
| MMSZ5232CT1G | 0.0599            | Pb-free<br>Halide free | Active | 5.6                    | 0.5       | SOD-123      |
| MMSZ5233BT1G | 0.0247            | Pb-free<br>Halide free | Active | 6                      | 0.5       | SOD-123      |
| MMSZ5234BT1G | 0.0247            | Pb-free<br>Halide free | Active | 6.2                    | 0.5       | SOD-123      |
| MMSZ5235BT1G | 0.0247            | Pb-free<br>Halide free | Active | 6.8                    | 0.5       | SOD-123      |
| MMSZ5235BT3G | 0.0247            | Pb-free<br>Halide free | Active | 6.8                    | 0.5       | SOD-123      |
| MMSZ5236BT1G | 0.0247            | Pb-free<br>Halide free | Active | 7.5                    | 0.5       | SOD-123      |
| MMSZ5237BT1G | 0.0247            | Pb-free<br>Halide free | Active | 8.2                    | 0.5       | SOD-123      |
| MMSZ5238BT1G | 0.0247            | Pb-free<br>Halide free | Active | 8.7                    | 0.5       | SOD-123      |

|              |        |                        |        |     |     |         |
|--------------|--------|------------------------|--------|-----|-----|---------|
| MMSZ5239BT1G | 0.0247 | Pb-free<br>Halide free | Active | 9.1 | 0.5 | SOD-123 |
| MMSZ5240BT1G | 0.0247 | Pb-free<br>Halide free | Active | 10  | 0.5 | SOD-123 |
| MMSZ5240BT3G | 0.0247 | Pb-free<br>Halide free | Active | 10  | 0.5 | SOD-123 |
| MMSZ5241BT1G | 0.0247 | Pb-free<br>Halide free | Active | 11  | 0.5 | SOD-123 |
| MMSZ5242BT1G | 0.0247 | Pb-free<br>Halide free | Active | 12  | 0.5 | SOD-123 |
| MMSZ5242BT3G | 0.0247 | Pb-free<br>Halide free | Active | 12  | 0.5 | SOD-123 |
| MMSZ5243BT1G | 0.0247 | Pb-free<br>Halide free | Active | 13  | 0.5 | SOD-123 |
| MMSZ5244BT1G | 0.0247 | Pb-free<br>Halide free | Active | 14  | 0.5 | SOD-123 |
| MMSZ5245BT1G | 0.0247 | Pb-free<br>Halide free | Active | 15  | 0.5 | SOD-123 |
| MMSZ5245CT1G | 0.0599 | Pb-free<br>Halide free | Active | 15  | 0.5 | SOD-123 |
| MMSZ5246BT1G | 0.0247 | Pb-free<br>Halide free | Active | 16  | 0.5 | SOD-123 |
| MMSZ5247BT1G | 0.0247 | Pb-free<br>Halide free | Active | 17  | 0.5 | SOD-123 |
| MMSZ5247BT3G | 0.0247 | Pb-free<br>Halide free | Active | 17  | 0.5 | SOD-123 |
| MMSZ5248BT1G | 0.0247 | Pb-free<br>Halide free | Active | 18  | 0.5 | SOD-123 |
| MMSZ5248BT3G | 0.0247 | Pb-free<br>Halide free | Active | 18  | 0.5 | SOD-123 |
| MMSZ5248CT1G | 0.0599 | Pb-free<br>Halide free | Active | 18  | 0.5 | SOD-123 |
| MMSZ5249BT1G | 0.0247 | Pb-free<br>Halide free | Active | 19  | 0.5 | SOD-123 |
| MMSZ5250BT1G | 0.0247 | Pb-free<br>Halide free | Active | 20  | 0.5 | SOD-123 |
| MMSZ5250CT1G | 0.0599 | Pb-free<br>Halide free | Active | 20  | 0.5 | SOD-123 |
| MMSZ5251BT1G | 0.0247 | Pb-free<br>Halide free | Active | 22  | 0.5 | SOD-123 |
| MMSZ5252BT1G | 0.0247 | Pb-free<br>Halide free | Active | 24  | 0.5 | SOD-123 |
| MMSZ5253BT1G | 0.0247 | Pb-free<br>Halide free | Active | 25  | 0.5 | SOD-123 |

|              |        |                        |                |     |     |         |
|--------------|--------|------------------------|----------------|-----|-----|---------|
| MMSZ5254BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 27  | 0.5 | SOD-123 |
| MMSZ5255BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 28  | 0.5 | SOD-123 |
| MMSZ5256BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 30  | 0.5 | SOD-123 |
| MMSZ5257BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 33  | 0.5 | SOD-123 |
| MMSZ5258BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 36  | 0.5 | SOD-123 |
| MMSZ5258BT3G | 0.0247 | Pb-free<br>Halide free | Active         | 36  | 0.5 | SOD-123 |
| MMSZ5258CT1G | 0.0599 | Pb-free<br>Halide free | Active         | 36  | 0.5 | SOD-123 |
| MMSZ5259BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 39  | 0.5 | SOD-123 |
| MMSZ5260BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 43  | 0.5 | SOD-123 |
| MMSZ5261BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 47  | 0.5 | SOD-123 |
| MMSZ5262BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 51  | 0.5 | SOD-123 |
| MMSZ5263BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 56  | 0.5 | SOD-123 |
| MMSZ5264BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 60  | 0.5 | SOD-123 |
| MMSZ5265BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 62  | 0.5 | SOD-123 |
| MMSZ5266BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 68  | 0.5 | SOD-123 |
| MMSZ5266BT3G |        | Pb-free                | ProductPreview | 68  | 0.5 | SOD-123 |
| MMSZ5267BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 75  | 0.5 | SOD-123 |
| MMSZ5268BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 82  | 0.5 | SOD-123 |
| MMSZ5270BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 91  | 0.5 | SOD-123 |
| MMSZ5272BT1G | 0.0247 | Pb-free<br>Halide free | Active         | 110 | 0.5 | SOD-123 |
| MMSZ5272BT3G | 0.0247 | Pb-free<br>Halide free | Active         | 110 | 0.5 | SOD-123 |

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