

## Product Overview

### 1N52: Zener 0.5W

For complete documentation, see the data sheet.

General Data Applicable to all series in this group. 500 Milliwatt Hermetically Sealed Glass Silicon Zener Diodes

#### Features

- Complete Voltage Range - 1.8 to 200 Volts
- 2% and 5% tolerances available
- DO-204AH Package - Smaller than Conventional DO-204AA Package
- Double Slug Type Construction
- Metallurgically Bonded Construction Mechanical Characteristics:
- CASE: Double slug type, hermetically sealed glass
- MAXIMUM LEAD TEMPERATURE FOR SOLDERING PURPOSES: 230°C, 1/16", from case for 10 seconds
- FINISH: All external surfaces are corrosion resistant with readily solderable leads
- POLARITY: Cathode indicated by color band. When operated in zener mode, cathode will be positive with respect to anode
- MOUNTING POSITION: Any

For more features, see the data sheet

#### Benefits

- Wide Range of Zener Breakdown Voltages

#### Applications

- Voltage Regulation
- Waveform Clipping
- MOSFET Gate Protection

#### End Products

- General Usage Device: Suitable for many different end products

## Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	V <sub>Z</sub> Typ (V)	P Max (W)	Package Type
1N5221B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	2.4	0.5	Axial Lead
1N5222B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	2.5	0.5	Axial Lead
1N5223B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	2.7	0.5	Axial Lead
1N5225B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	3	0.5	Axial Lead
1N5226B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	3.3	0.5	Axial Lead
1N5226BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	3.3	0.5	Axial Lead
1N5227B	0.016	Pb-free Halide free non AEC-Q and PPAP	Active	3.6	0.5	Axial Lead
1N5227BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	3.6	0.5	Axial Lead
1N5228B	0.016	Pb-free Halide free non AEC-Q and PPAP	Active	3.9	0.5	Axial Lead
1N5228BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	3.9	0.5	Axial Lead
1N5229B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	4.3	0.5	Axial Lead
1N5229BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	4.3	0.5	Axial Lead

1N5230B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	4.7	0.5	Axial Lead
1N5230BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	4.7	0.5	Axial Lead
1N5231B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	5.1	0.5	Axial Lead
1N5231BTR	0.0167	Pb-free Halide free non AEC-Q and PPAP	Active	5.1	0.5	Axial Lead
1N5231C	0.0213	Pb-free Halide free non AEC-Q and PPAP	Active	5.1	0.5	Axial Lead
1N5231CTR	0.0213	Pb-free Halide free non AEC-Q and PPAP	Active	5.1	0.5	Axial Lead
1N5232B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	5.6	0.5	Axial Lead
1N5232BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	5.6	0.5	Axial Lead
1N5233B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	6	0.5	Axial Lead
1N5233BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	6	0.5	Axial Lead
1N5234B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	6.2	0.5	Axial Lead
1N5234BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	6.2	0.5	Axial Lead
1N5234C	0.0217	Pb-free Halide free non AEC-Q and PPAP	Active	6.2	0.5	Axial Lead

1N5234CTR	0.0213	Pb-free Halide free non AEC-Q and PPAP	Active	6.2	0.5	Axial Lead
1N5235B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	6.8	0.5	Axial Lead
1N5235BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	6.8	0.5	Axial Lead
1N5236B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	7.5	0.5	Axial Lead
1N5236BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	7.5	0.5	Axial Lead
1N5237B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	8.2	0.5	Axial Lead
1N5237BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	8.2	0.5	Axial Lead
1N5238B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	8.7	0.5	Axial Lead
1N5239B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	9.1	0.5	Axial Lead
1N5239BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	9.1	0.5	Axial Lead
1N5240B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	10	0.5	Axial Lead
1N5240BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	10	0.5	Axial Lead
1N5241B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	11	0.5	Axial Lead

1N5241BTR	0.0213	Pb-free Halide free non AEC- Q and PPAP	Active	11	0.5	Axial Lead
1N5242B	0.0164	Pb-free Halide free non AEC- Q and PPAP	Active	12	0.5	Axial Lead
1N5242BTR	0.0164	Pb-free Halide free non AEC- Q and PPAP	Active	12	0.5	Axial Lead
1N5243B	0.016	Pb-free Halide free non AEC- Q and PPAP	Active	13	0.5	Axial Lead
1N5243BTR	0.0164	Pb-free Halide free non AEC- Q and PPAP	Active	13	0.5	Axial Lead
1N5244B	0.0164	Pb-free Halide free non AEC- Q and PPAP	Active	14	0.5	Axial Lead
1N5244BTR	0.0164	Pb-free Halide free non AEC- Q and PPAP	Active	14	0.5	Axial Lead
1N5245B	0.0164	Pb-free Halide free non AEC- Q and PPAP	Active	15	0.5	Axial Lead
1N5245BTR	0.0164	Pb-free Halide free non AEC- Q and PPAP	Active	15	0.5	Axial Lead
1N5246B	0.0164	Pb-free Halide free non AEC- Q and PPAP	Active	16	0.5	Axial Lead
1N5246BTR	0.0164	Pb-free Halide free non AEC- Q and PPAP	Active	16	0.5	Axial Lead
1N5247B	0.016	Pb-free Halide free non AEC- Q and PPAP	Active	17	0.5	Axial Lead
1N5247BTR	0.016	Pb-free Halide free non AEC- Q and PPAP	Active	17	0.5	Axial Lead

1N5248B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	18	0.5	Axial Lead
1N5248BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	18	0.5	Axial Lead
1N5249BTR	0.0213	Pb-free Halide free non AEC-Q and PPAP	Active	19	0.5	Axial Lead
1N5250B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	20	0.5	Axial Lead
1N5250BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	20	0.5	Axial Lead
1N5251B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	22	0.5	Axial Lead
1N5251BTR	0.0217	Pb-free Halide free non AEC-Q and PPAP	Active	22	0.5	Axial Lead
1N5252B	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	24	0.5	Axial Lead
1N5252BTR	0.0164	Pb-free Halide free non AEC-Q and PPAP	Active	24	0.5	Axial Lead

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