

1N3154 thru 1N3157A

TEMPERATURE COMPENSATED ZENER REFERENCE DIODES 8.4 VOLT NOMINAL ZENER VOLTAGE

MAXIMUM RATINGS *

Operating Temperature	-55 °C to +200 °C
Storage Temperature	-55 °C to +200 °C
DC Power Dissipation	500 mW at 50 °C
Power Derating	3.33 mW/°C above 50 °C

* ELECTRICAL CHARACTERISTICS @ 25 °C, unless otherwise specified

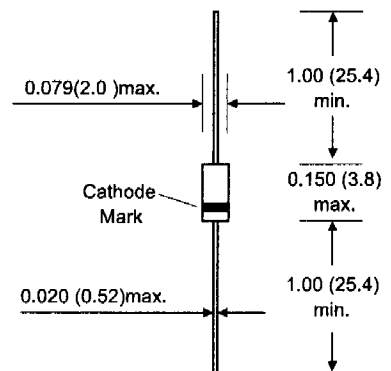
JEDEC TYPE NUMBERS	ZENER VOLTAGE Vz @ IzT	ZENER TEST CURRENT IzT	MAXIMUM ZENER IMPEDANCE (Note 1) ZzT	VOLTAGE TEMPERATURE STABILITY (Note 2) Δ VzT MAXIMUM	TEMPERATURE RANGE	EFFECTIVE TEMPERATURE COEFFICIENT
	VOLTS	mA	OHMS	mV	°C	%/C
1N3154 1N3154A	8.00-8.80	10	15	132	-55 to +100	.01
	8.00-8.80	10	15	170	-55 to +150	.01
1N3155 1N3155A	8.00-8.80	10	15	88	-55 to +100	.005
	8.00-8.80	10	15	88	-55 to +150	.005
1N3156 1N3156A	8.00-8.80	10	15	28	-55 to +100	.002
	8.00-8.80	10	15	34	-55 to +150	.002
1N3157 1N3157A	8.00-8.80	10	15	13	-55 to +100	.001
	8.00-8.80	10	15	17	-55 to +150	.001

* JEDEC Registered Data.

NOTE 1: Zener impedance is derived by superimposing on IzT a 60 Hz rms a.c. current equal to 10% of IzT.

NOTE 2: The maximum allowable change observed over the entire temperature range i.e., the diode voltage will not exceed the specified mV at any discrete temperature between the established limits.

DO - 35 Glass (DO-204AH)



Dimensions in inches and (millimeters)

DESIGN DATA

CASE: Hermetically sealed glass case.

LEAD MATERIAL: Copper Clad Steel

LEAD FINISH: Tin Plate

THERMAL RESISTANCE:
 250 °C/w (Typical)
 junction to ambient.

POLARITY: Diode to be operated with the banded (cathode) end positive with respect to the opposite end

WEIGHT: 0.2 Grams

MOUNTING POSITION: Any