

- 1N4454 and 1N4454-1 AVAILABLE IN JAN, JANTX, AND JANTXV
PER MIL-PRF-19500/144
- SWITCHING DIODE
- HERMETICALLY SEALED
- METALLURGICALLY BONDED
- DOUBLE PLUG CONSTRUCTION

1N4454
1N4454-1

MAXIMUM RATINGS

Junction Temperature: -55°C to +175°C
 Storage Temperature: -55°C to +175°C
 Operating Current: 200 mA @ $T_A = +25^\circ\text{C}$
 Derating Factor: 1.33 mA/°C Above $T_A = +25^\circ\text{C}$
 Surge Current A: 1A (pk), $P_W = 1$ sec
 Surge Current B: 4A (pk), $P_W = 1$ μs

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified.

V_{BR} @5 μA	V_{RWM}	I_0	V_{f1} @ $I_F = 10$ mA	V_{f2} @ $I_F = 10$ mA $T_A = 150^\circ\text{C}$	t_{rr}
Volts	Volts (pk)	mA	V dc	V dc	n sec
75	50	200	1.0	0.7	4

I_{R1} @ 50 V dc	I_{R2} @ 50 V $T_A = 150^\circ\text{C}$	CAPACITANCE @ 0 V
μA	μA	pF
0.1	100	2.0

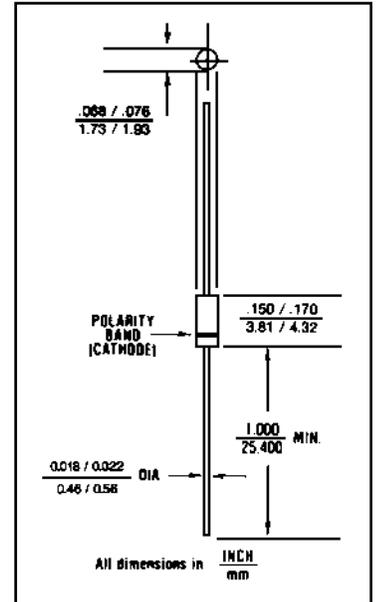


FIGURE 1

DESIGN DATA

CASE: Hermetically sealed
 glass case per MIL-S-19500/144
 D0-35 outline

LEAD MATERIAL: Copper clad steel.

LEAD FINISH: Tin / Lead

THERMAL RESISTANCE: ($R_{\theta JL}$):
 250 °C/W maximum at L = .375

THERMAL IMPEDANCE: ($Z_{\theta JX}$): 70
 °C/W maximum

POLARITY: Cathode end is banded.

MOUNTING POSITION: Any.



COMPENSATED DEVICES INCORPORATED

22 COREY STREET, MELROSE, MASSACHUSETTS 02176
 PHONE (781) 665-1071 FAX (781) 665-7379
 WEBSITE: <http://www.cdi-diodes.com> E-mail: mail@cdi-diodes.com

IN4454 and 1N4454-1

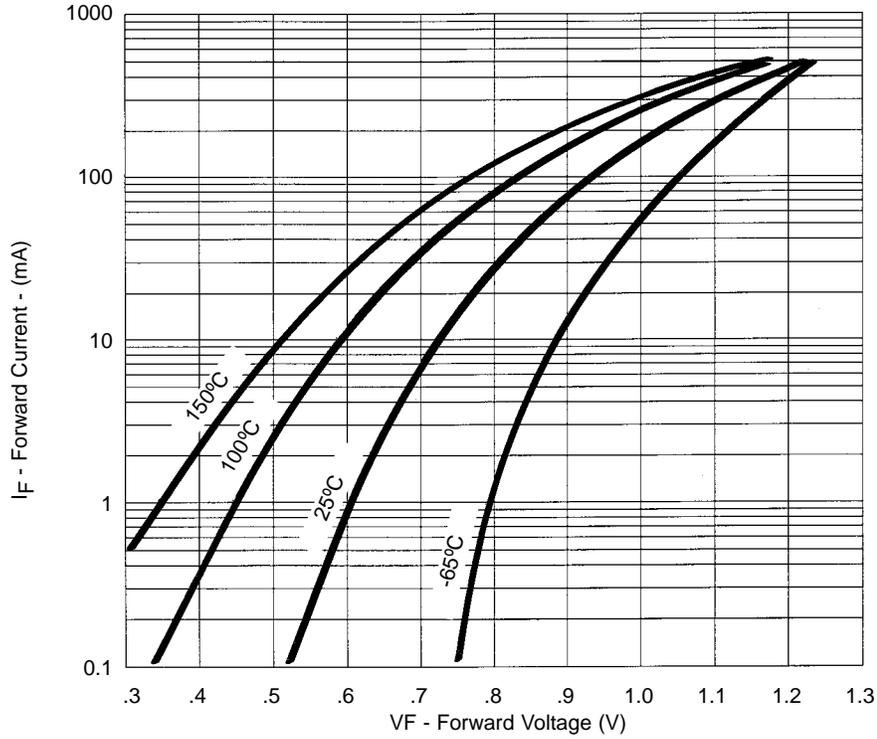


FIGURE 2
Typical Forward Current
vs Forward Voltage

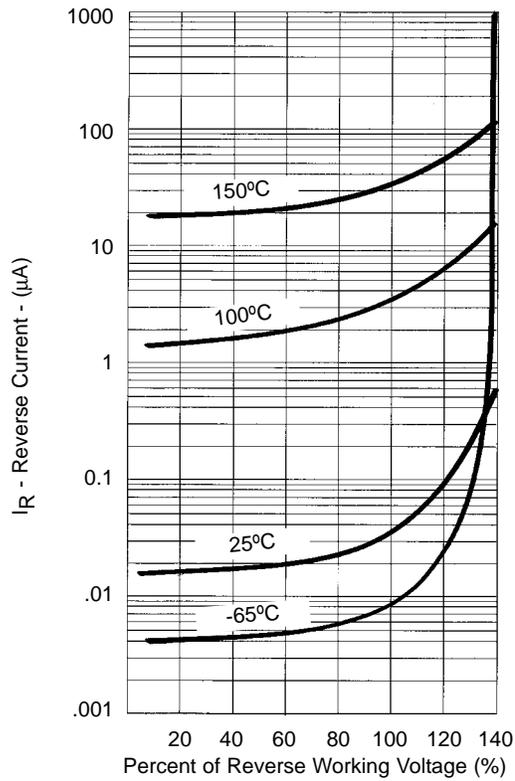


FIGURE 3
Typical Reverse Current
vs Reverse Voltage

NOTE : All temperatures shown on graphs are junction temperatures

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Diodes - General Purpose, Power, Switching category:](#)

Click to view products by [Microchip manufacturer:](#)

Other Similar products are found below :

[RD0306T-H](#) [BAQ33-GS18](#) [BAV17-TR](#) [BAV19-TR](#) [1N3611](#) [NTE156A](#) [NTE525](#) [NTE571](#) [NTE574](#) [NTE5804](#) [NTE5806](#) [NTE6244](#)
[1SS181-TP](#) [1SS193,LF](#) [1SS400CST2RA](#) [SDAA13](#) [SHN2D02FUTW1T1G](#) [LS4151GS08](#) [1N4449](#) [1N456A](#) [1N4934-E3/73](#) [1N914B](#)
[1N914BTR](#) [RFUH20TB3S](#) [BAS 28 E6327](#) [BAV199-TP](#) [BAW56DWQ-7-F](#) [BAW75-TAP](#) [MM230L-CAA](#) [IDW40E65D1](#) [JAN1N3600](#)
[LL4151-GS18](#) [053684A](#) [SMMSD4148T3G](#) [707803H](#) [NSVDAN222T1G](#) [SP000010217](#) [ACDSW4448-HF](#) [CDSZC01100-HF](#)
[BAV199E6433HTMA1](#) [BAV70M3T5G](#) [SMBT2001T1G](#) [NTE5801](#) [NTE5800](#) [NTE5808](#) [NTE6240](#) [NTE6248](#) [DLM10C-AT1](#) [BAS28-7](#)
[BAW56HDW-13](#)