- AVAILABLE IN JAN, JANTX, AND JANTXV PER MIL-PRF-19500/118
- GENERAL PURPOSE SILICON DIODES
- METALLURGICALLY BONDED

1N5194
1N5195
1N5196

MAXIMUM RATINGS

Operating Temperature: -65°C to +175°C
Storage Temperature: -65°C to +175°C
Operating Current: 200 mA
Derating: 1.2 mA/°C From 25°C to 150°C
1.0 mA/°C From 150°C to 175°C
Forward Current: 650 mA

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified

TYPE	V_{RM}	V_{RWM}	I_O	I_O T_A = 150°C	I_{FSM} T_P = 1/120 s T_A = 25°C
	V (pk)	V (pk)	mA	mA	A
1N5194	80	70	200	50	2
1N5195	180	180	200	50	2
1N5196	250	225	200	50	2

TYPE	V_F @100mA	I_{R1} at V_{RWM} T_A = 25°C	I_{R2} at V_{RM} T_A = 25°C	I_{R3} at V_{RWM} T_A = 150°C
	V dc	nA dc	µA	µA dc
1N5194	0.8 - 1.0	25	100	5
1N5195	0.8 - 1.0	25	100	5
1N5196	0.8 - 1.0	25	100	5

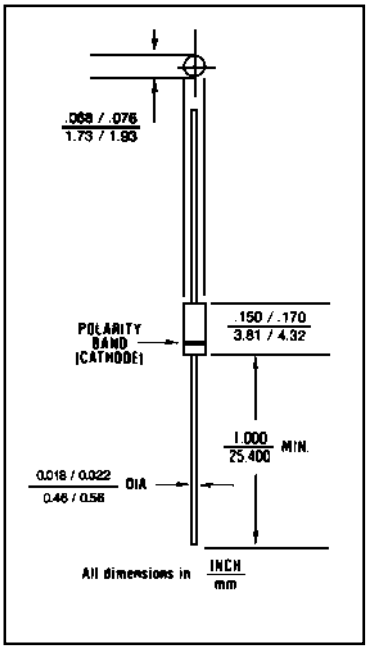


FIGURE 1

DESIGN DATA

CASE: Hermetically sealed glass case. DO – 35 outline.

LEAD MATERIAL: Copper clad steel.

LEAD FINISH: Tin / Lead

THERMAL RESISTANCE: ($R_{\Theta JEC}$): 250 °C/W maximum

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

IN5194 thru IN5196

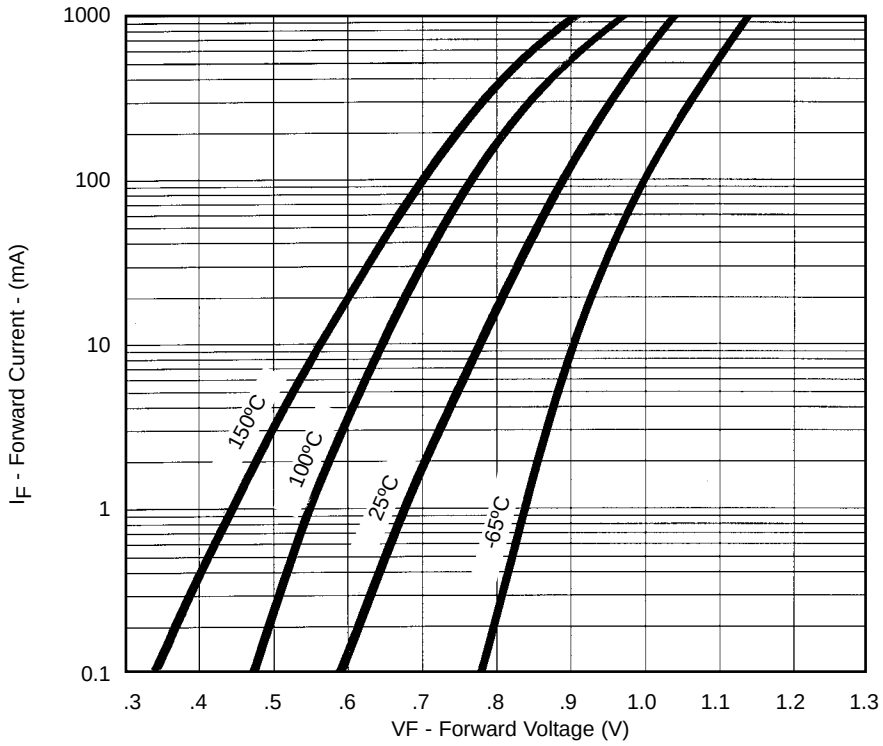
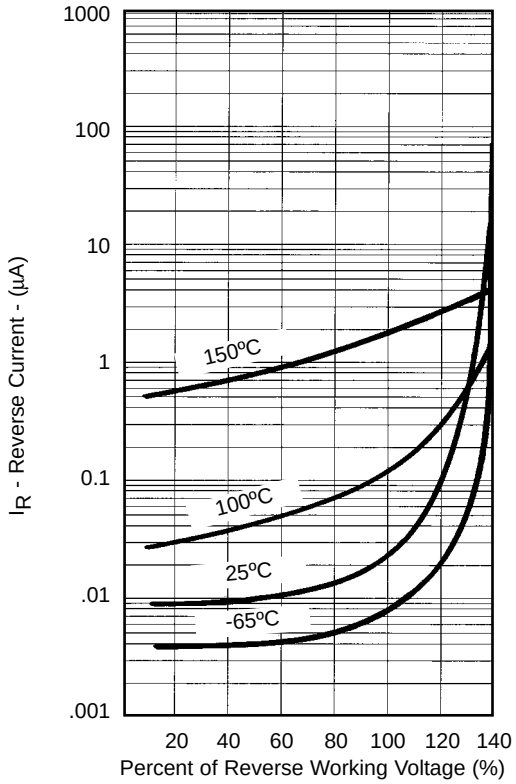


FIGURE 2
Typical Forward Current
vs Forward Voltage



NOTE : All temperatures shown on graphs are junction temperatures

FIGURE 3
Typical Reverse Current
vs Reverse Voltage