- AVAILABLE IN JAN, JANTX, AND JANTXV PER MIL-PRF-19500/240
- SILICON RECTIFIER
- METALLURGICALLY BONDED

MAXIMUM RATINGS

Operating Temperature: -65°C to +175°C
Storage Temperature: -65°C to +175°C
Operating Current: 400 mA @ 25°C
150 mA @ 150°C
Derating: 2.0 mA/°C From 25°C to 150°C
6.0 mA/°C From 150°C to 175°C

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified

TYPE	V_{RSM}	V_{RWM}	I_{FSM} T_P = 1/120 s T_A = 25°C	V_F @400mA	CAP @ V_R = 4V
	V (pk)	V (pk)	A	V_{DC}	pF
1N645-1	270	225	5	0.8 - 1.0	20

TYPE	I_{R1} at V_{RWM} T_A = 25°C	I_{R2} at V_{RWM} T_A = 150°C	I_{R3} at V_{RSM} T_A = 25°C
	µA	µA	µA
1N645-1	0.05	25	50

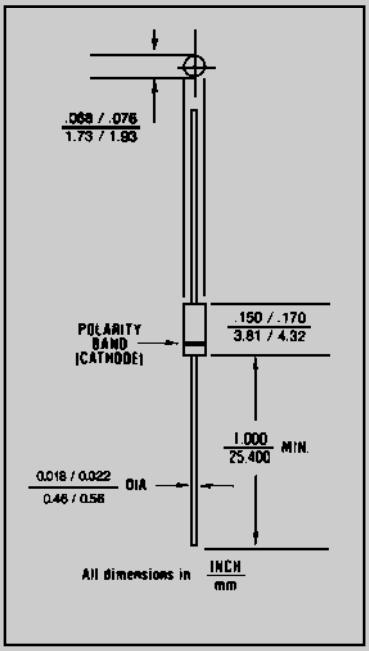


FIGURE 1

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: ($Z_{\Theta JX}$): 35 °C/W maximum

POLARITY: Cathode end is banded.

MOUNTING POSITION: ANY.

Microsemi

6 LAKE STREET, LAWRENCE, MASSACHUSETTS 01841
PHONE (978) 620-2600 FAX (781) 689-0803
WEBSITE: http://www.microsemi.com

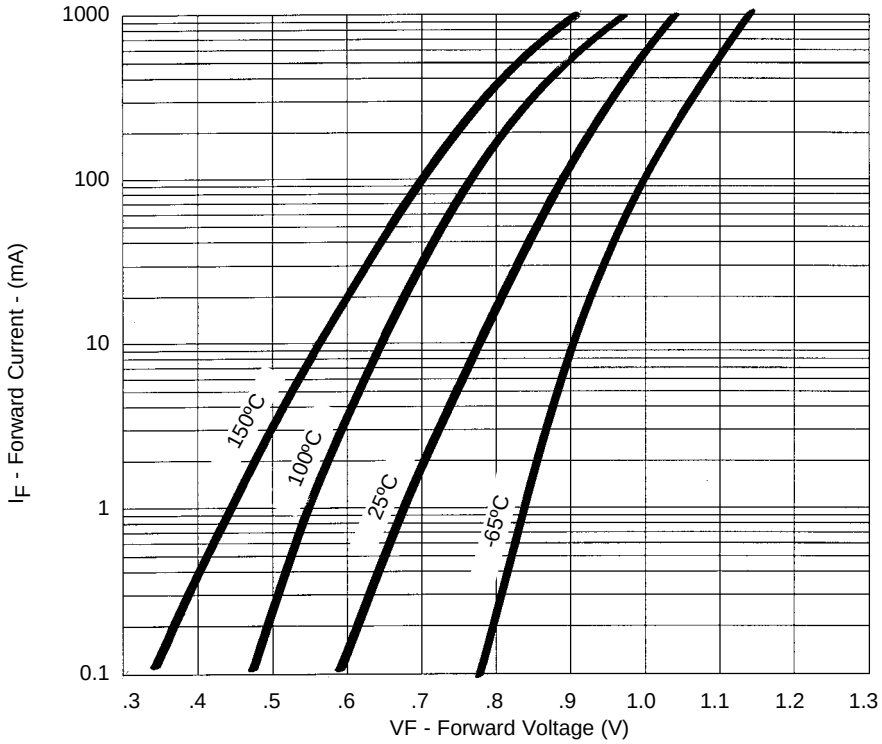
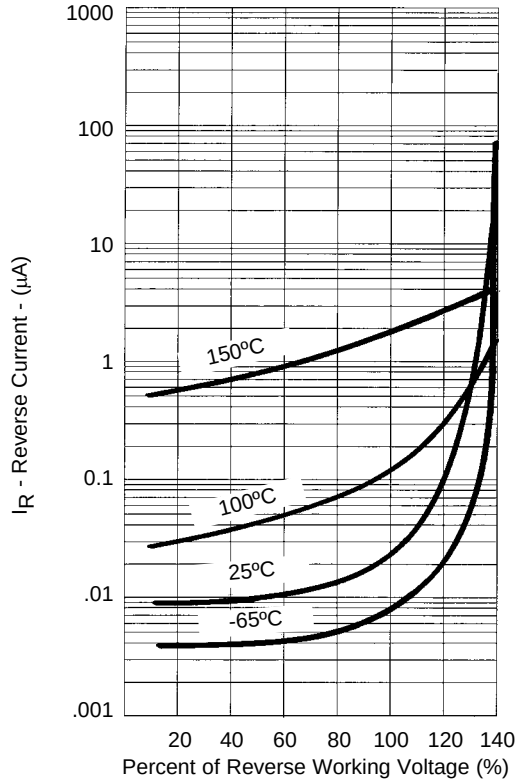


FIGURE 2
Typical Forward Current
vs Forward Voltage



NOTE : All temperatures shown on graphs are junction temperatures

FIGURE 3
Typical Reverse Current
vs Reverse Voltage

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