



SANTA ANA, CA

For more information call:
 (714) 979-8220

FEATURES

- HIGH CONDUCTANCE
- EXTREMELY LOW REVERSE CURRENT
- ULTRA-STABLE OPERATION UP TO +150°C
- VOIDLESS HERMETICALLY SEALED GLASS PACKAGE
- JANS/TX/TXV TYPES AVAILABLE PER MIL-S-19500-241
- METALLURGICALLY BONDED

MAXIMUM RATINGS

Operating Temperature: -65°C to +150°C

Storage Temperature: -65°C to +200°C

Surge Current: 4 Amps

ELECTRICAL CHARACTERISTICS

TYPE	FORWARD VOLTAGE DROP $V_F @ I_F$		FORWARD CURRENT I_F	REVERSE CURRENT (MAX) $I_R @ 125V$		REVERSE CURRENT (MAX) $I_R @ 30V$	REVERSE RECOVERY (MAX) t_{rr}	JUNCTION CAPACITANCE (MAX) $C @ 0V$
	VOLTS			nA				
	MIN	MAX		25°C	125°C			
1N3595	.83	1.00	200	1.0	500	300	3.0	8.0
	.79	.92	100	1.0		300		
	.74	.88	50	1.0		300		
	.65	.80	10	1.0	3μA	300		
	.60	.75	5	1.0	@	300		
	.52	.68	1	1.0	150°C	300		

GENERAL PURPOSE DIODES

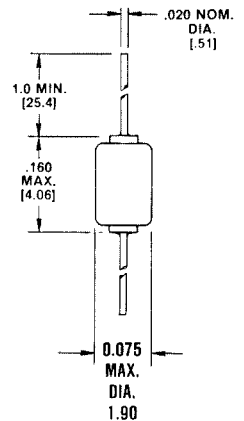


FIGURE 1
 PACKAGE D035

MECHANICAL CHARACTERISTICS

CASE: Hermetically sealed glass case.

LEAD MATERIAL: Tinned copper clad steel.

MARKING: Body painted, alpha numeric.

POLARITY: Cathode band.

1N3595

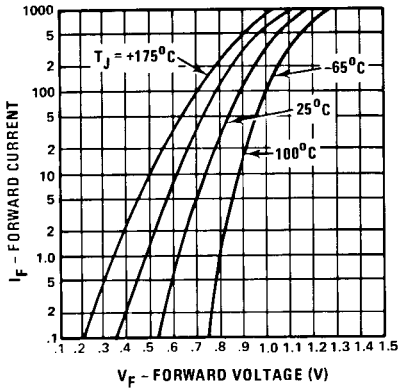


FIGURE 2
TYPICAL FORWARD VOLTAGE VS.
FORWARD CURRENT

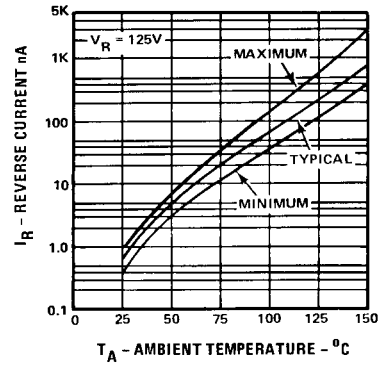


FIGURE 3
REVERSE CURRENT VS.
AMBIENT TEMPERATURE

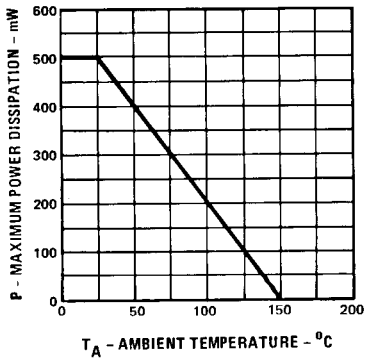


FIGURE 4
POWER DERATING CURVE

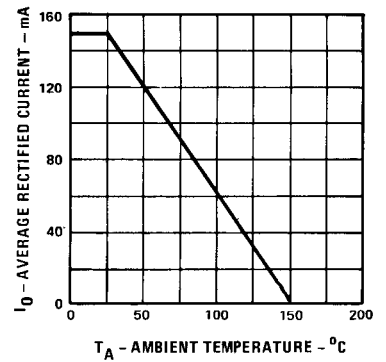


FIGURE 5
AVERAGE RECTIFIED CURRENT
VS. AMBIENT TEMPERATURE