



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 RECOVERY (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	3.0	8.0
	.74	.88	50	1.0		300	3.0	8.0
	.65	.80	10	1.0	3μA	300	3.0	8.0
	.60	.75	5	1.0	@	300	3.0	8.0
	.52	.68	1	1.0	150°C	300	3.0	8.0

**GENERAL PURPOSE DIODES**

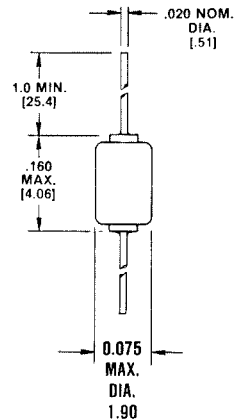


FIGURE 1  
 PACKAGE D035

**MECHANICAL CHARACTERISTICS**

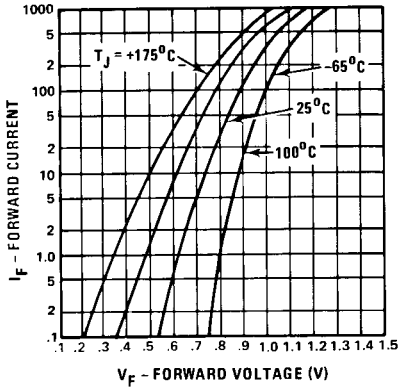
CASE: Hermetically sealed glass case.

LEAD MATERIAL: Tinned copper clad steel.

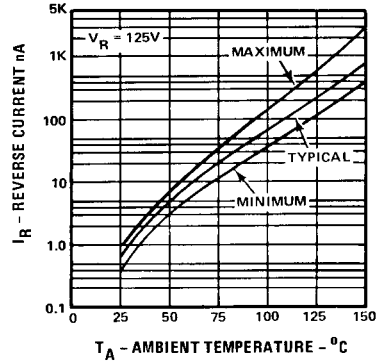
MARKING: Body painted, alpha numeric.

POLARITY: Cathode band.

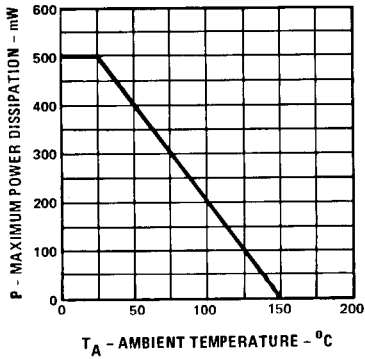
# 1N3595



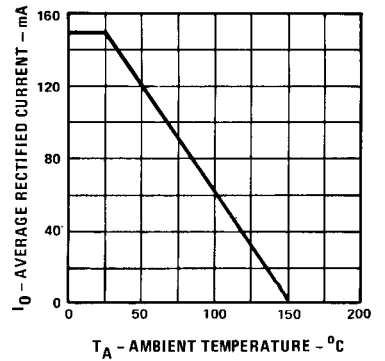
**FIGURE 2**  
TYPICAL FORWARD VOLTAGE VS.  
FORWARD CURRENT



**FIGURE 3**  
REVERSE CURRENT VS.  
AMBIENT TEMPERATURE



**FIGURE 4**  
POWER DERATING CURVE



**FIGURE 5**  
AVERAGE RECTIFIED CURRENT  
VS. AMBIENT TEMPERATURE