



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) $t_{rr}$	JUNCTION CAPACITANCE (MAX) $C @ 0V$
	VOLTS			nA			
	MIN	MAX		25°C	125°C		
1N3595	.83	1.00	200	1.0	500	300	8.0
	.79	.92	100	1.0		300	8.0
	.74	.88	50	1.0		300	8.0
	.65	.80	10	1.0	3μA	300	8.0
	.60	.75	5	1.0	@	300	8.0
	.52	.68	1	1.0	150°C	300	8.0

**GENERAL PURPOSE DIODES**

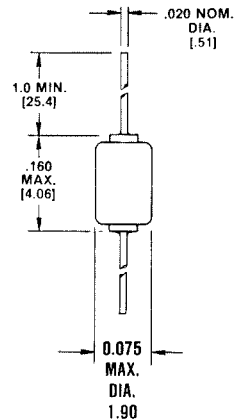


FIGURE 1  
 PACKAGE D035

**MECHANICAL CHARACTERISTICS**

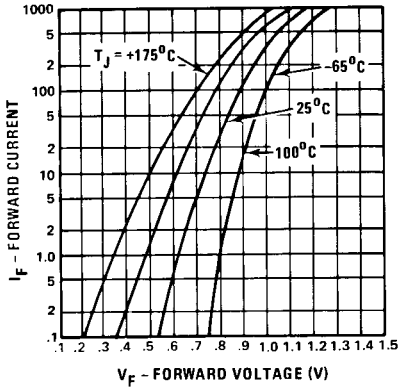
CASE: Hermetically sealed glass case.

LEAD MATERIAL: Tinned copper clad steel.

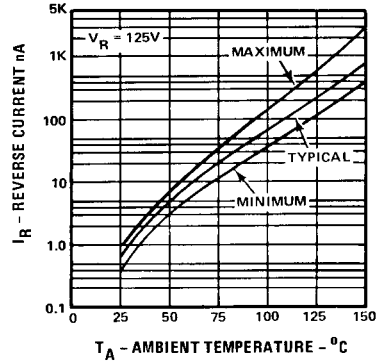
MARKING: Body painted, alpha numeric.

POLARITY: Cathode band.

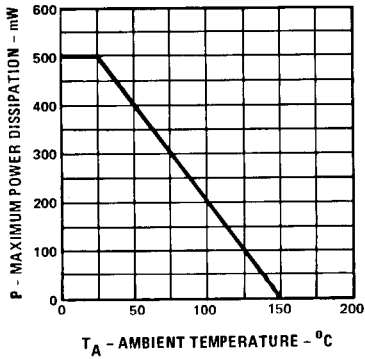
# 1N3595



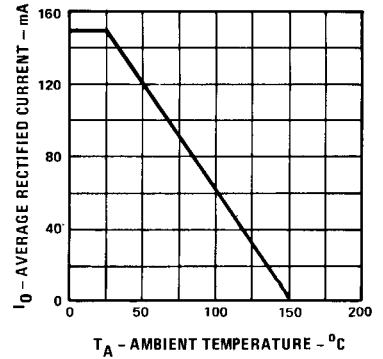
**FIGURE 2**  
TYPICAL FORWARD VOLTAGE VS.  
FORWARD CURRENT



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



**FIGURE 4**  
POWER DERATING CURVE



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