



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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

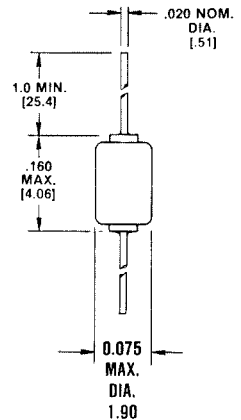


FIGURE 1
 PACKAGE D035

MECHANICAL CHARACTERISTICS

CASE: Hermetically sealed glass case.

LEAD MATERIAL: Tinned copper clad steel.

MARKING: Body painted, alpha numeric.

POLARITY: Cathode band.

1N3595

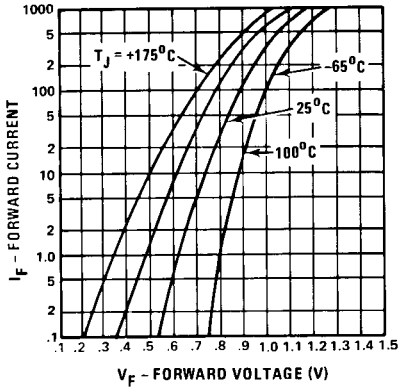


FIGURE 2
TYPICAL FORWARD VOLTAGE VS.
FORWARD CURRENT

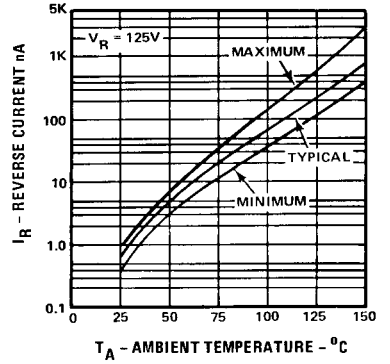


FIGURE 3
REVERSE CURRENT VS.
AMBIENT TEMPERATURE

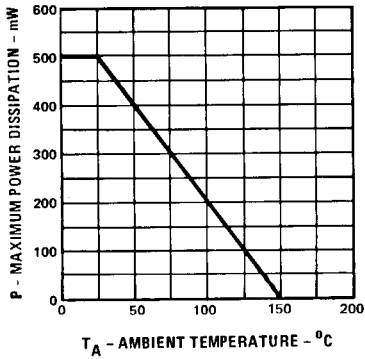


FIGURE 4
POWER DERATING CURVE

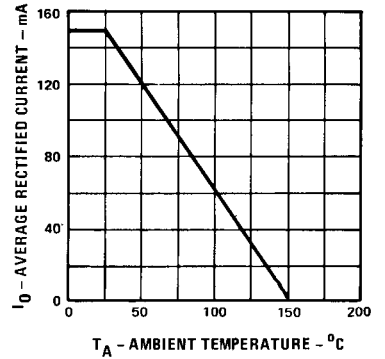


FIGURE 5
AVERAGE RECTIFIED CURRENT
VS. AMBIENT TEMPERATURE