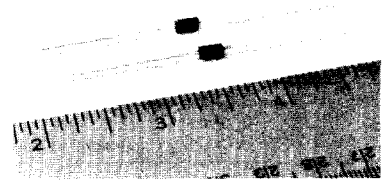
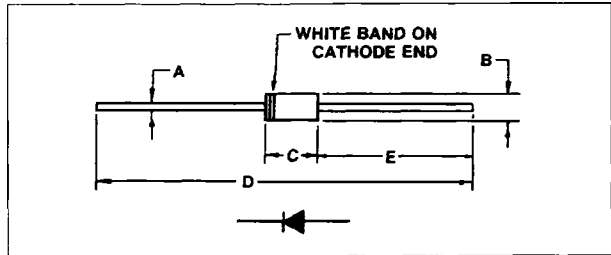


1 Amp Very Fast Recovery TG 4, TG 6, TG 8, TG 10,

100 ns Recovery
High Voltage
High Junction Temperature



LTR.	INCHES	MILLIMETERS
A	.030-.034 Dia.	.76-.86 Dia.
B	.10-.107 Dia.	2.54-2.72 Dia.
C	.185-.205	4.70-5.21
D	2.38-2.42	60.45-61.47
E	.9-1.1	22.9-28.0



MAXIMUM RATINGS (At $T_A = 25^\circ\text{C}$ unless otherwise noted)

RATINGS	SYMBOL	TG4	TG6	TG8	TG10	UNITS
Repetitive Peak Reverse Voltage	V_{RRM}	400	600	800	1000	V
Peak Forward Surge Current, $\frac{1}{2} \sim 60\text{Hz}$	I_{FSM}	35				A
Forward Current (Total RMS)	$I_{F(RMS)}$	1.57				A
Forward Current (Average) See Fig. 1	$I_{F(AV)}$	1				A
Storage Temperature	T_{STG}	-55 to +175				$^\circ\text{C}$
Junction Operating Temperature	T_J	-55 to +140				$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS (At $T_A = 25^\circ\text{C}$ unless otherwise noted)

CHARACTERISTICS	SYMBOL			UNITS
Reverse Current @ Rated V_{RRM}	I_R		5	μA
Forward Voltage @ 1 Amp, Pulsed	V_F		1.75	V
Reverse Recovery Time (Maximum) $I_F = 1\text{A}, I_R = 2\text{A}$ Recovery to $-.5\text{A}$	t_r		100	nsec

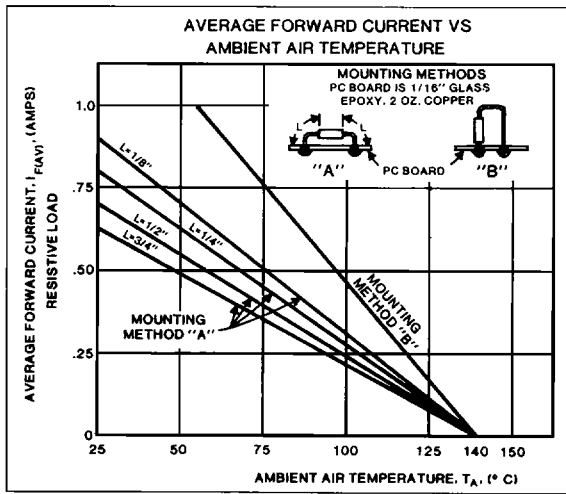


FIGURE 1

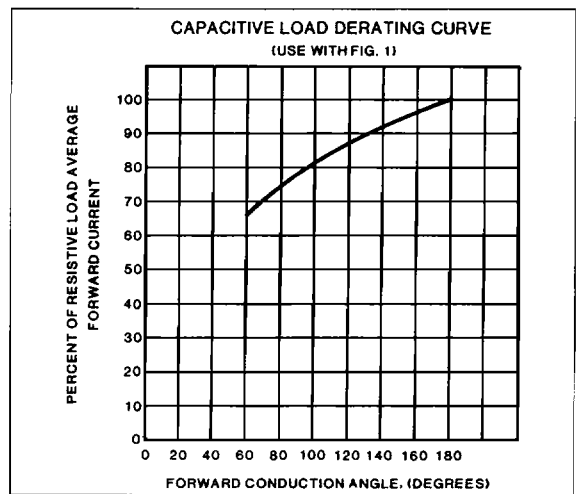


FIGURE 2

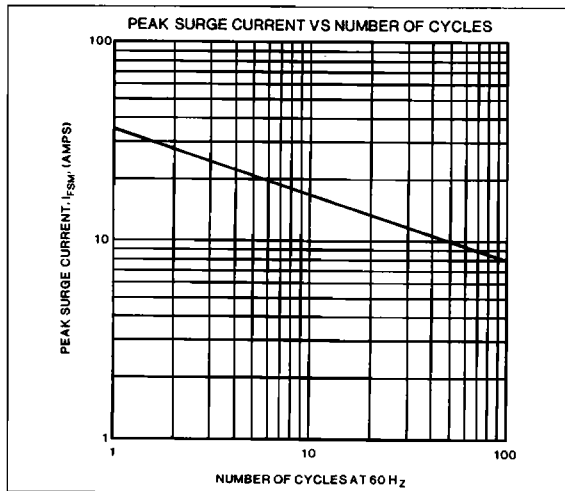


FIGURE 3

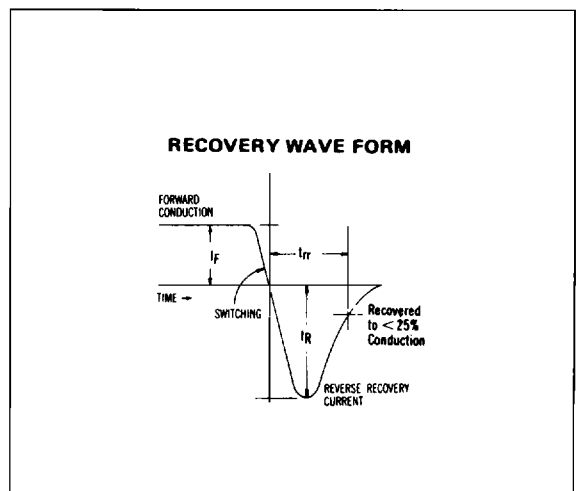


FIGURE 4