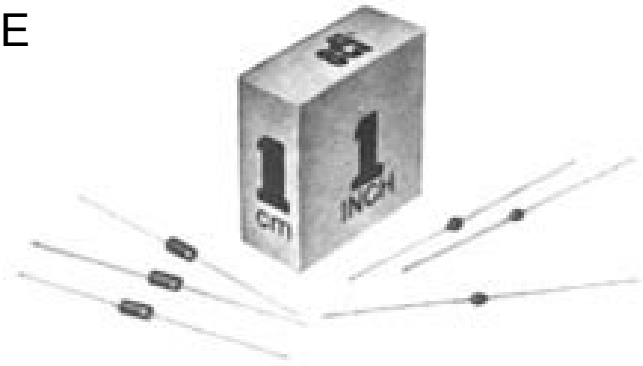
HV HX

HIGH VOLTAGE RECTIFIERS
ULTRA-MINIATURE
AND MINIATURE



- SMALL SIZE EPOXY PACKAGES
- FAST AND STANDARD RECOVERY TIMES
- PRV TO 10,000 VOLTS
- VERY LOW REVERSE LEAKAGE

EDI Type No.	Peak Reverse Voltage PRV (Volts)	Avg.Forward Current I_O (mA) 100°C	Max.Fwd Voltage @ 10mA & 25°C	Max. Peak Surge Cureent, I_{FSM} (8.3ms) (Amps)	Package Style
ULTRA-MINIATURE, STANDARD RECOVERY					
HV 15 PD	1,500	80	6.0	5	P
HV 20 PD	2,000				
HV 25 PD	2,500				
HV 30 PD	3,000				
HV 10 P	1,000	50	6.0	5	P
HV 20 P	2,000				
HV 30 P	3,000				
HV 40 P	4,000				
HV 50 P	5,000				
ULTRA-MINIA TURE, 100 NANOSECOND RECOVERY (FIG.4)					
HX 15 PD	1,500	60	6.0	3	P
HX 20 PD	2,000				
HX 25 PD	2,500				
HX 30 PD	3,000				
HX 10 P	1,000	40	10.0	3	P
HX 20 P	2,000				
HX 30 P	3,000				
HX 40 P	4,000				
HX 50 P	5,000				
MINIATURE, 100 NANOSECOND RECOVERY (FIG.4)					
HX 10 M	1,000	40	10.0	3	M
HX 20 M	2,000				
HX 30 M	3,000				
HX 40 M	4,000				
HX 50 M	5,000				
HX 60 ML	6,000	20	20.0	3	M
HX 80 ML	8,000				
HX 100 ML	10,000				

EDI reserves the right to change these specifications at any time without notice.

ELECTRICAL CHARACTERISTICS(at T_A=25°C Unless Otherwise Specified)

	HV Series	HX Series
Max. DC Reverse Current @ PRV and 25 °C, I_R	10nA	100nA
Max. DC Reverse Current @ PRV and100°C, I_R	3 μA	5 μA
Ambient Operating Temperature Range,T_A	-55 to +125 °C	
Storage Temperature Range,T_{STG}	-55 to +150 °C	

FIG.1

OUTPUT CURRENT vs AMBIENT TEMPERATURE

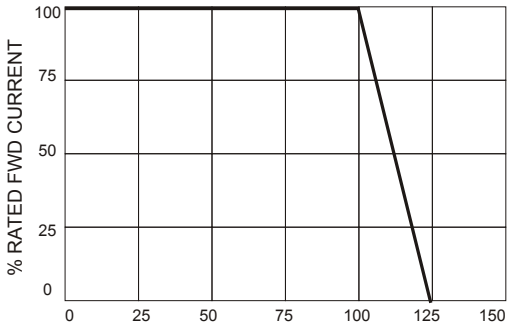


FIG.2

NON- REPETITIVE SURGE CURRENT

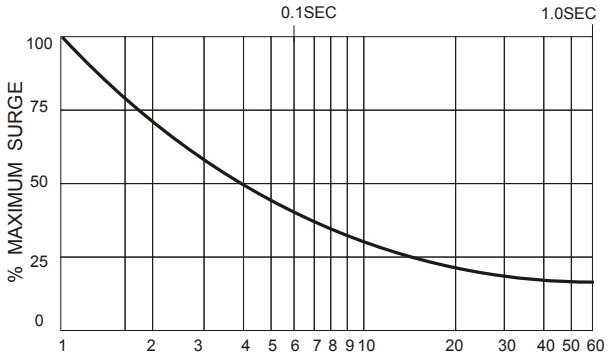
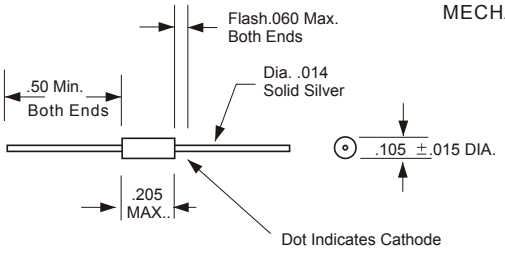
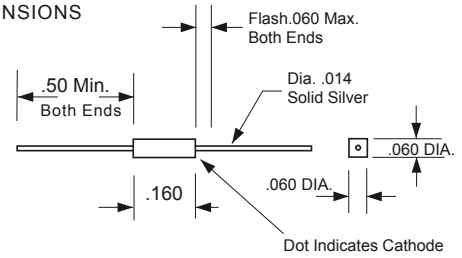


FIG.3

MECHANICAL DIMENSIONS



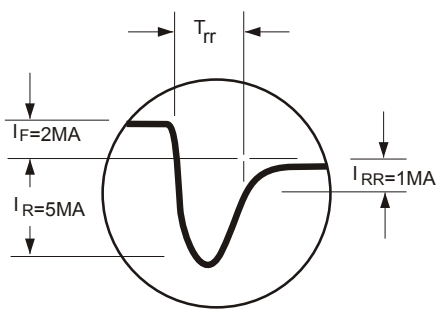
PACKAGE STYLE "M"
MINIATURE



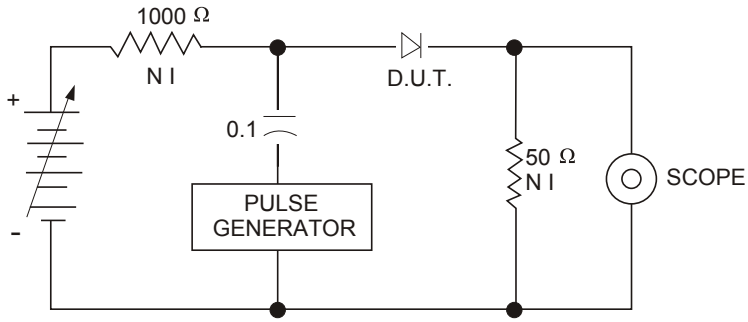
PACKAGE STYLE "P"
ULTRA-MINIATURE

FIG.4

REVERSE RECOVERY TEST METHOD



WAVE FORMS



CIRCUIT

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