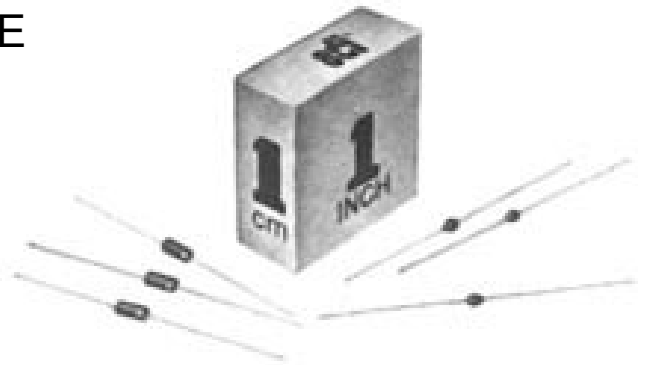




HV HX

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 Current, I_{FSM} (8.3ms) (Amps)	Package Style
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ULTRA-MINIATURE, STANDARD RECOVERY

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 Current, I_{FSM} (8.3ms) (Amps)	Package Style
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-MINIATURE, 100 NANOSECOND RECOVERY (FIG.4)

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 Current, I_{FSM} (8.3ms) (Amps)	Package Style
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)

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 Current, I_{FSM} (8.3ms) (Amps)	Package Style
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.

HV HX

ELECTRICAL CHARACTERISTICS(at $T_A=25^\circ\text{C}$ Unless Otherwise Specified)

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

FIG.1

OUTPUT CURRENT vs AMBIENT TEMPERATURE

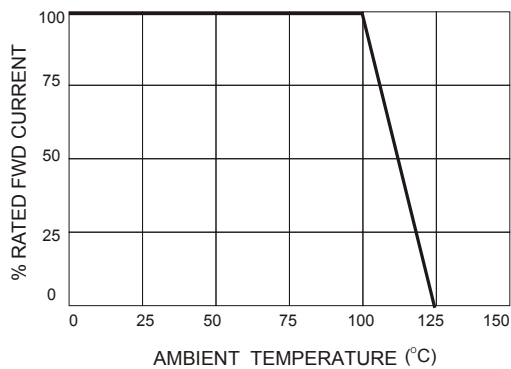


FIG.2

NON-REPETITIVE SURGE CURRENT

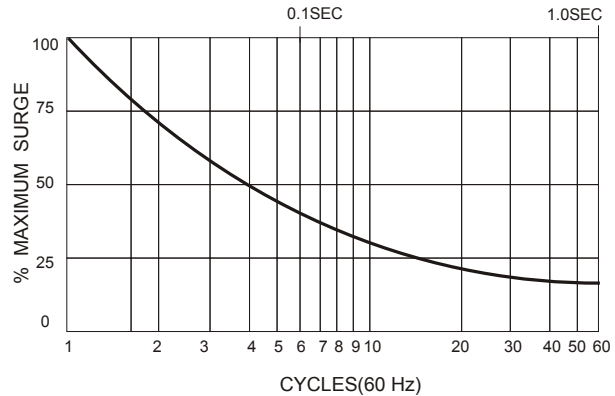


FIG.3

MECHANICAL DIMENSIONS

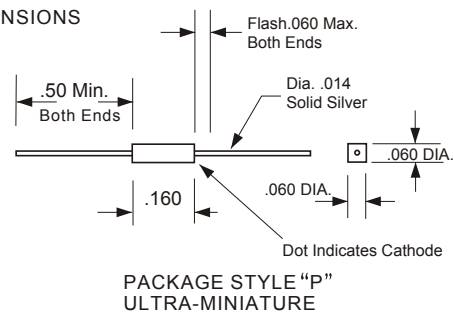
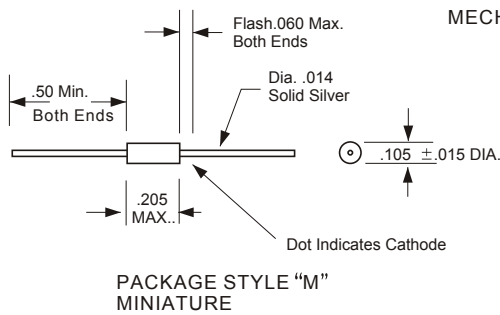
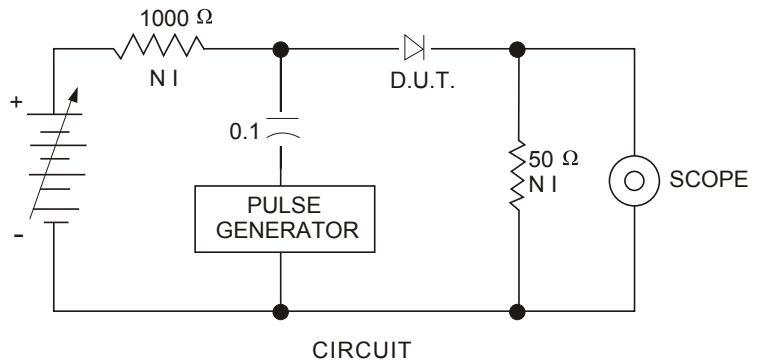
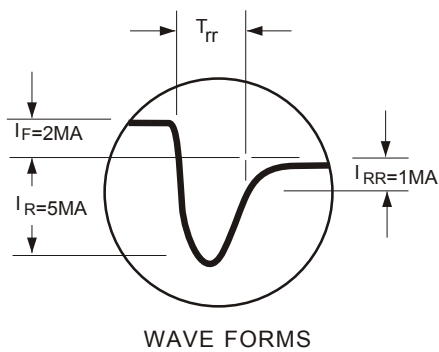


FIG.4

REVERSE RECOVERY TEST METHOD



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