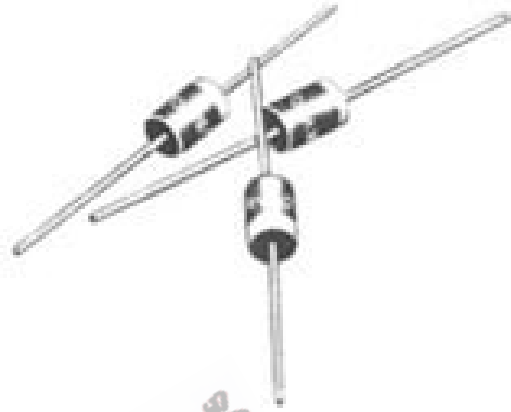




RWB

## 5 AMPERE FAST RECOVERY AXIAL LEAD RECTIFIERS

- PRV TO 1,000 VOLTS
- HIGH TEMPERATURE STABILITY
- HIGH SURGE CAPABILITY
- AVALANCHE CHARACTERISTICS



PRV	50V	100V	200V	400V	600V	800V	1000V
RWB*SERIES	RWB005	RWB010	RWB020	RWB040	RWB060	RWB080	RWB100

\*Suffix "A" 150 NANO SEC. MAX. See Fig.#4

\*Suffix "B" 250 NANO SEC. MAX. See Fig.#4

ELECTRICAL CHARACTERISTICS at $T_A=25^{\circ}\text{C}$ Unless Otherwise Specified	RWB SERIES FAST RECOVERY
Max. DC Reverse Current @ PRV and $25^{\circ}\text{C}$ , $I_R$	5 $\mu\text{A}$
Max. DC Reverse Current @ PRV and $100^{\circ}\text{C}$ , $I_R$	250 $\mu\text{A}$
Max. Forward Voltage Drop @ 5.0Amps, $V_F$	1.25Volts
Ambient Operating Temperature Range, $T_A$	$-55^{\circ}\text{C}$ to $+150^{\circ}\text{C}$
Storage Temperature Range, $T_{STG}$	$-55^{\circ}\text{C}$ to $+150^{\circ}\text{C}$
Max. One -Half Cycle Surge Current, $I_{FM}$ (Surge) @ 60Hz	350 Amps

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

FIG.1

OUTPUT CURRENT vs AMBIENT TEMPERATURE

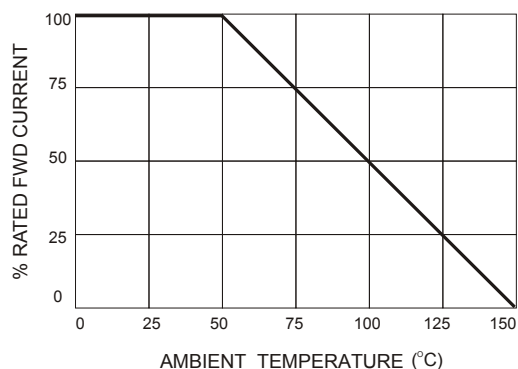


FIG.2

NON-REPETITIVE SURGE CURRENT

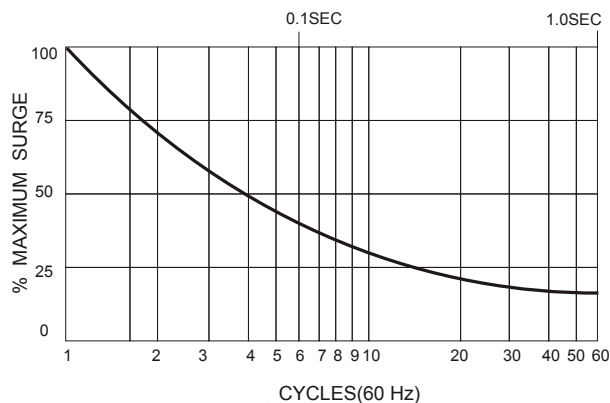
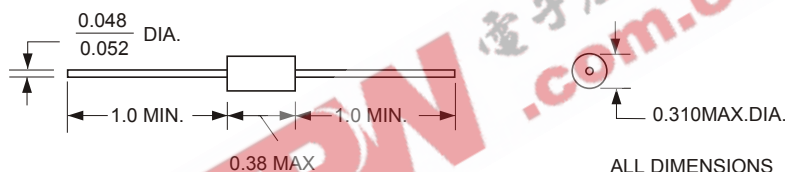


FIG.3



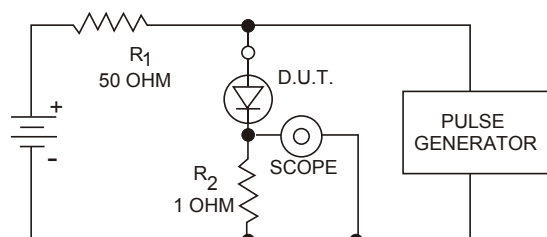
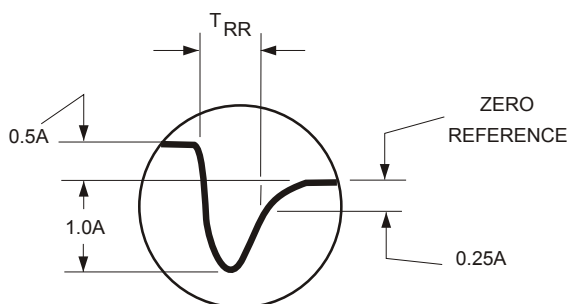
ALL DIMENSIONS IN INCHES

Maximum lead and terminal temperature for soldering, 3/8 inch form case, 5 seconds at 250 °C

TEST CIRCUIT

FIG.4

TYPICAL REVERSE RECOVERY WAVEFORM



$R_1, R_2$  NON-INDUCTIVE RESISTORS  
 PULSE GENERATOR-HEWLETT PACKARD 214A OR EQUIV.  
 1 KC REP.RATE, 10  $\mu$  SEC. PULSE WIDTH  
 ADJUST PULSE AMPLITUDE FOR PEAK  $I_R$