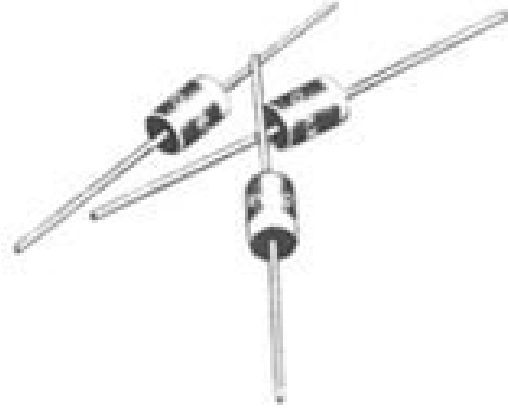




RWB

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°C , I_R	5 μA
Max. DC Reverse Current @ PRV and 100°C , I_R	250 μA
Max. Forward Voltage Drop @ 5.0Amps, V_F	1.25Volts
Ambient Operating Temperature Range, T_A	-55°C to $+150^{\circ}\text{C}$
Storage Temperature Range, T_{STG}	-55°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

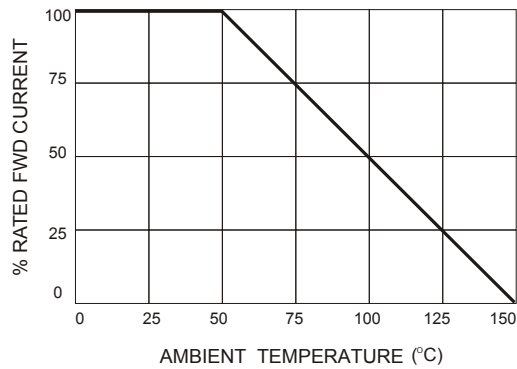


FIG.2

NON-REPETITIVE SURGE CURRENT

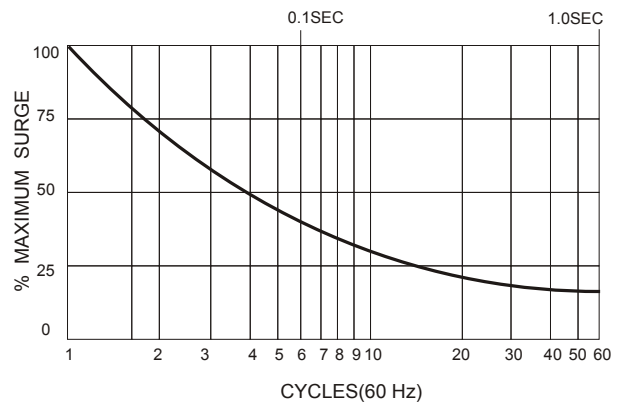


FIG.3

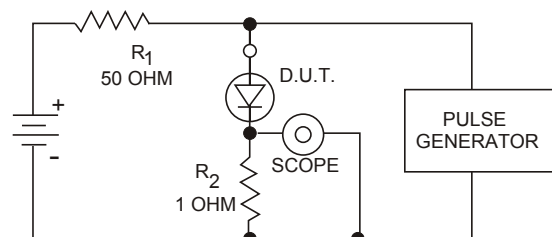
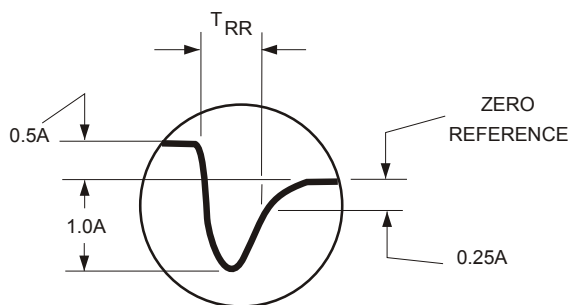


Maximum lead and terminal temperature for soldering, 3/8 inch form case, 5 seconds at 250 °C

TEST CIRCUIT

FIG.4

TYPICAL REVERSE RECOVERY WAVEFORM



R₁, R₂ NON-INDUCTIVE RESISTORS
PULSE GENERATOR-HEWLETT PACKARD 214A OR EQUIV.
1 KC REP.RATE, 10 μ SEC. PULSE WIDTH
ADJUST PULSE AMPLITUDE FOR PEAK I_R