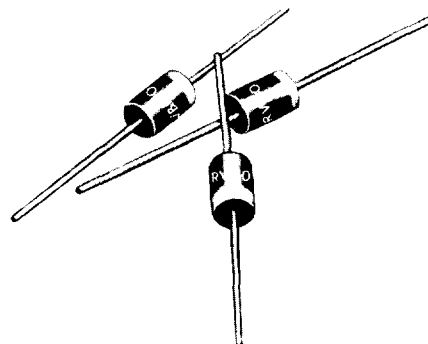


5 AMPERE FAST RECOVERY AXIAL LEAD RECTIFIERS

- 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	$5\mu\text{A}$
Max. DC Reverse Current @ PRV and 100°C , I_R	$250\mu\text{A}$
Max. Forward Voltage Drop @ 5.0 Amps, V_F	1.25 Volts
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) @ 60 Hz	350 Amps

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



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FIG. 1
OUTPUT CURRENT vs AMBIENT TEMPERATURE

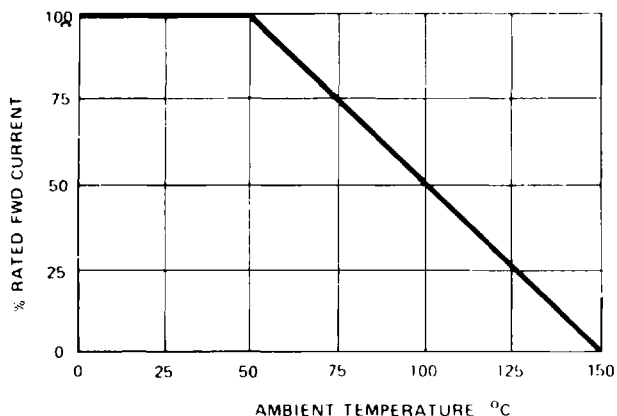


FIG. 2
NON - REPETITIVE SURGE CURRENT

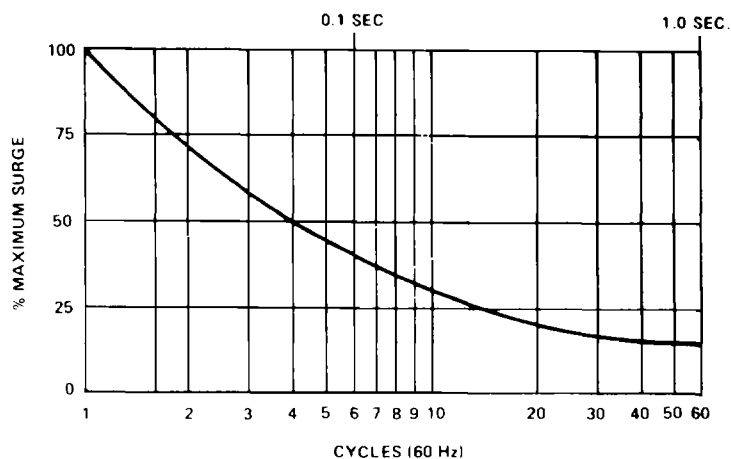
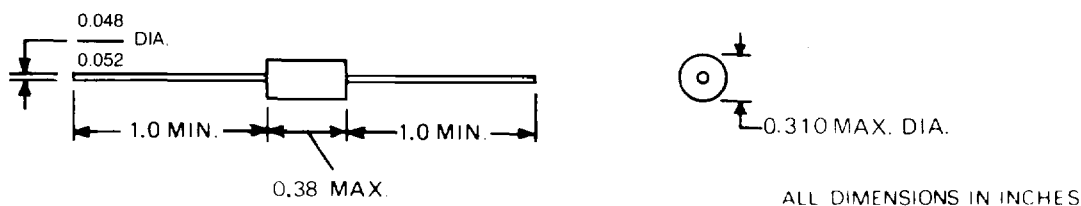


FIG. 3

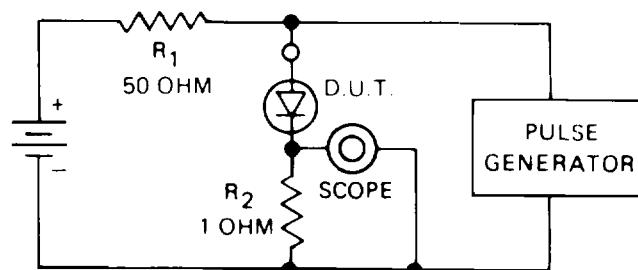
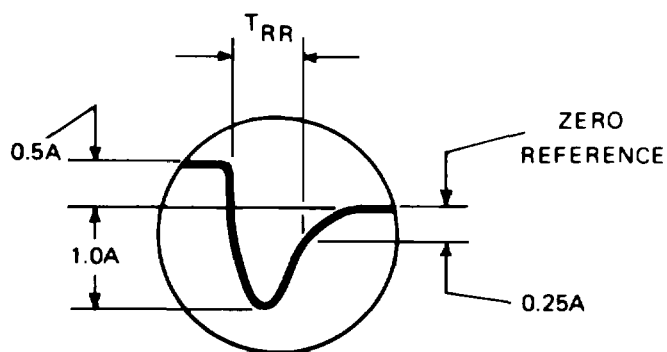


Maximum lead and terminal temperature for soldering, 3/8 inch from case, 5 seconds at 250°C

TEST CIRCUIT

FIG. 4

TYPICAL REVERSE RECOVERY WAVEFORM



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