

GW



- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Metallurgically bonded construction
- * Polarity: Color band denotes cathode end
- * Mounting position: Any

Technical drawing of a rectangular block with dimensions in inches and millimeters. The drawing shows the top and front views. The top view dimensions are: width .083(2.11) / .075(1.91) and .155(3.94) / .130(3.30); length .185(4.70) / .160(4.06). The front view dimensions are: height .012(0.31) / .006(0.15); width .096(2.44) / .083(2.13); depth .050(1.27) / .030(0.76); and a central feature with a height of .008(0.203) MAX. and a width of .220(5.59) / .200(5.08).

2. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

RATING AND CHARACTERISTIC CURVES (SMU51B THRU SMU57B)

FIG.1-TYPICAL FORWARD CHARACTERISTICS

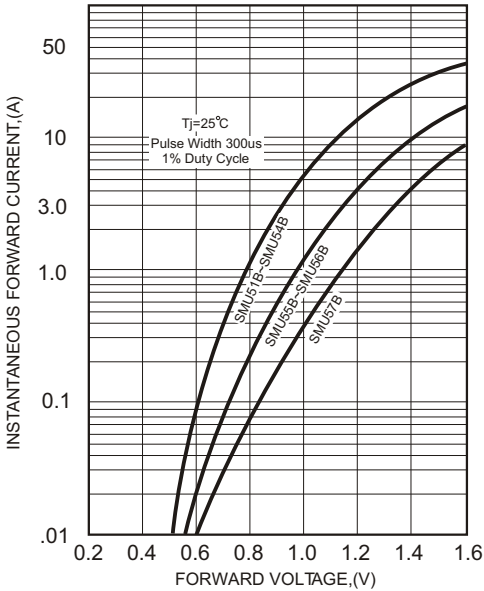


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

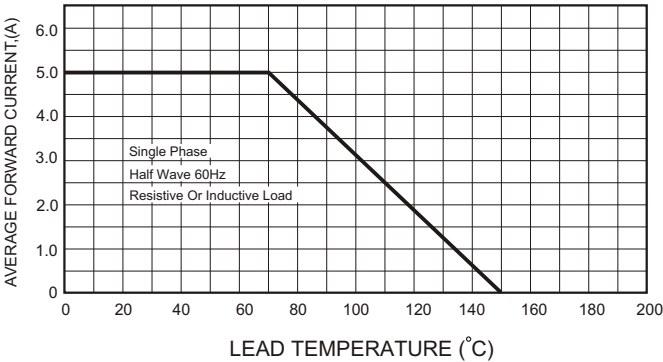
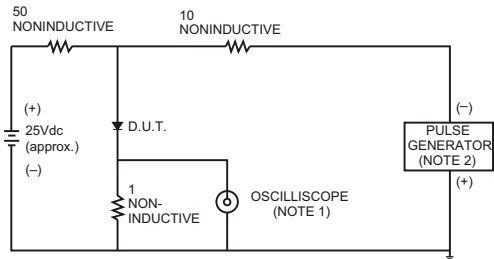


FIG.3- TEST CIRCUIT DIAGRAM AND REVERSE RECOVERY TIME CHARACTERISTICS



NOTES: 1. Rise Time= 7ns max., Input Impedance= 1 megohm.22pF.
2. Rise Time= 10ns max., Source Impedance= 50 ohms.

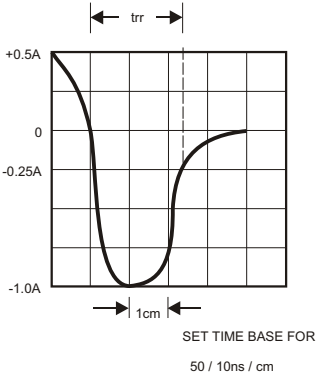


FIG.4-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

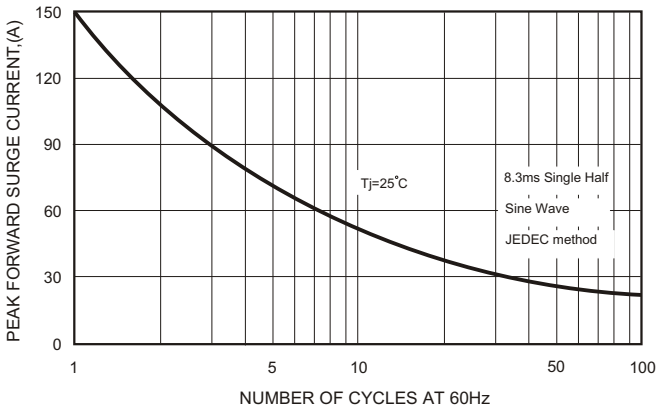


FIG.5-TYPICAL JUNCTION CAPACITANCE

