

HER501 THRU HER508

HIGH EFFICIENCY RECTIFIERS

Reverse Voltage - 50 to 1000 Volts Forward Current -5.0 Amperes



Note:1.Reverse recovery condition IF=0.5A,IR=1.0A,Irr=0.25A

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

3. Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted



RATINGS AND CHARACTERISTIC CURVES HER501 THRU HER508

PEAK

AVERAGE FORWARD RECTIFIED CURRENT, AMPERES FIG. 1- FORWARD CURRENT DERATING CURVE 5 4 3 2 Single Phase Half Wave 60Hz Resistive or inductive Load 1 0 0 25 50 75 100 125 150 175

AMBIENT TEMPERATURE, °C





INSTANTANEOUS FORWARD VOLTAGE. VOLTS



FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT FORWARD SURGE CURRENT, AMPERES 300 8.3ms SINGLE HALE SINE-WAVE 250 (JEDEC Method) 200 150 100 50 10 100

NUMBER OF CYCLES AT 60 Hz

FIG. 4-TYPICAL REVERSE CHARACTERISTICS



PERCENT OF PEAK REVERSE VOLTAGE,%



t,PULSE DURATION,sec.

The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!



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