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MSRTTAL40220A(R)

HIGH POWER DIODE MODULE TYPE 40A / 2200V

Preliminary

Features

High Surge Capability Type 2200V V_{RRM} Isolation Type Package Electrically Isolation base plate

Maximum Ratings

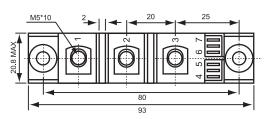
Operating Temperature : -40 $^{\circ}$ C to + 150 $^{\circ}$ C Storage Temperature : -40 $^{\circ}$ C to + 150 $^{\circ}$ C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum DC Blocking Voltage	
MSRTTAL40220A(R)	2200V	2200V	

TO-240AAC



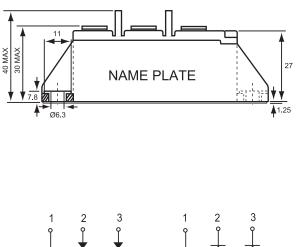
Dimensions in mm (1 mm = 0.0394")



Electrical Characteristics @ 25 °C Unless Otherwise Specified

ltem	Symbol	Rating	Conditions
		Max	
Average Forward Current (Per pkg)	F(AV)	40 A	T _c = 140°C
Peak Forward Surge Current (Per leg)	FSM	1080A	8.3ms, half sine
Isolation Voltage	Viso	3000 V	A.C. 1 minute
Mounting torque		5 ± 0.5Nm 3 ± 0.5Nm	to heatsink to terminals

Rating Symbol Conditions Item Тур. Max (Per leg) Maximum I_{FM} =10 A ;T_J = 25 °C 0.90V 0.82V $V_{\rm F}$ Instantaneous 0.86V 0.95V $I_{FM} = 20 \text{ A}$; $T_J = 25 \degree \text{C}$ Forward Voltage * Maximum Instantaneous T = 25 °C 25 u A Reverse Current At Rated DC Blocking I_R T_J = 150 °C 3mA Voltage (Per leg) Maximum Thermal **Resistance Junction** 0.5°C/W Røjc To Case (Per leg)



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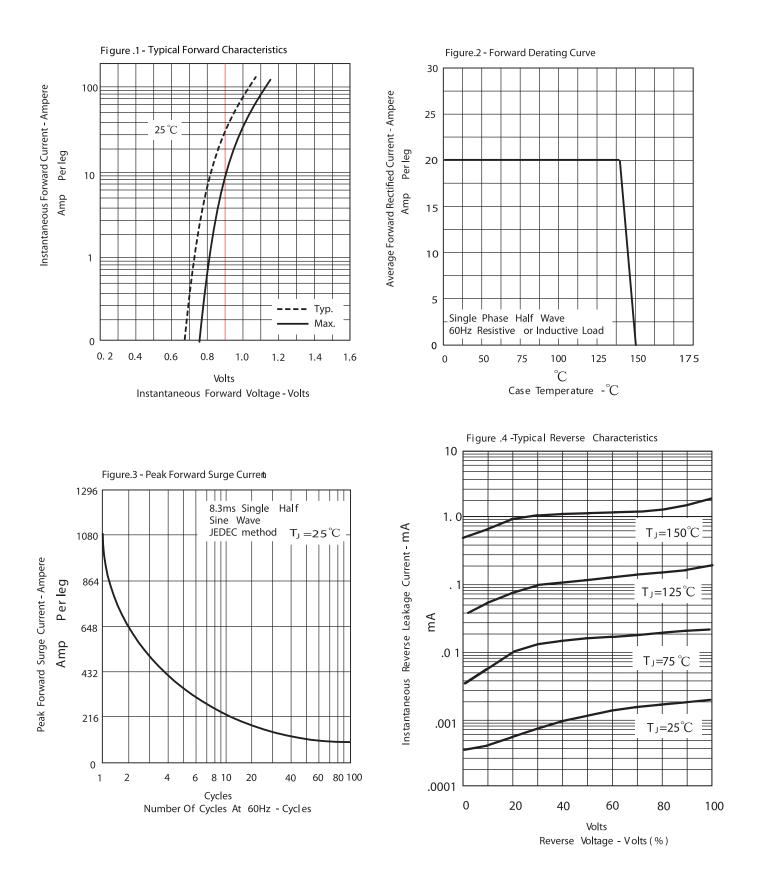
NOTE :

(1) Pulse Test: Pulse Width 300 μ sec. Duty Cycle < 2%

MSRTTAL40220AR



MSRTTAL40220A(R)



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