DACO SEMICONDUCTOR CO., LTD.

MSRTTA40220A(R)

HIGH POWER DIODE MODULE TYPE 40A / 2200V

Features

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

Preliminary

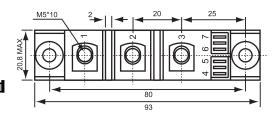


Maximum Ratings

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

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum DC Blocking Voltage	
MSRTTA40220A(R)	2200V	2200V	

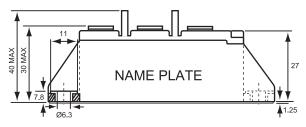
Dimensions in mm (1 mm = 0.0394")

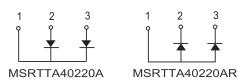


Electrical Characteristics @ 25 °C Unless Otherwise Specified

ltem	Symbol	Rating	Conditions	
		Max		
Average Forward Current (Per pkg)	IF(AV) 40 A		$T_C = 140^{\circ}C$	
Peak Forward Surge Current (Per leg)	I 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	

ltem	Symbol	Rating		Conditions
		Тур.	Max	Conditions
Maximum (Per leg) Instantaneous Forward Voltage *	V _F	0.87V 0.92V	0.98V 1.05V	$I_{FM} = 10 \text{ A}; T_J = 25 ^{\circ}\text{C}$ $I_{FM} = 20 \text{ A}; T_J = 25 ^{\circ}\text{C}$
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg)	I _R		25 uA 3 mA	$T_J = 25 ^{\circ}\text{C}$ $T_J = 150 ^{\circ}\text{C}$
Maximum Thermal Resistance Junction To Case (Per leg)	Røjc		0.6°C/W	



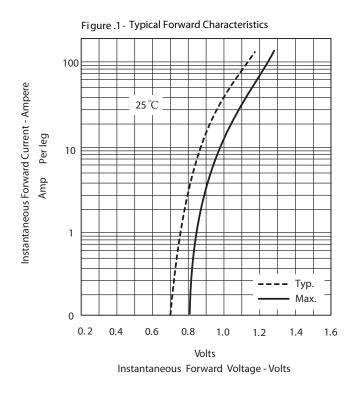


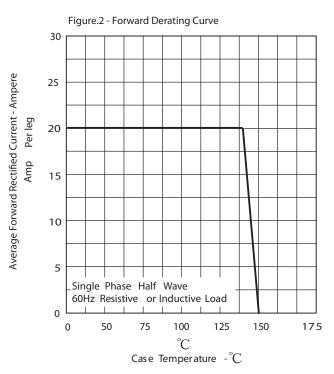
NOTE:

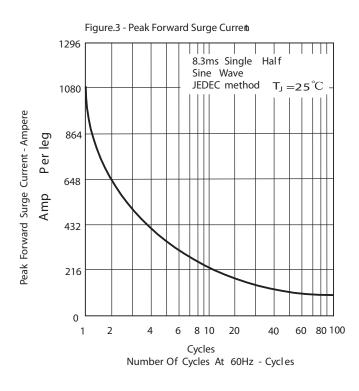
(1) Pulse Test: Pulse Width 300 μ sec. Duty Cycle < 2%

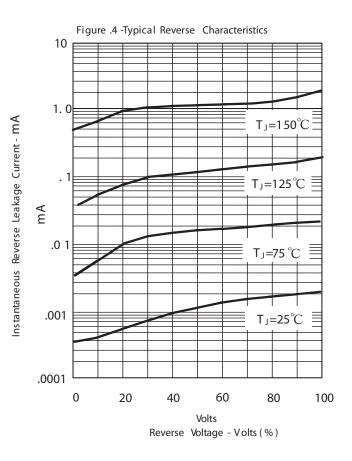


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Nov. 2019

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