DACO SEMICONDUCTOR CO., LTD. MURQ40040CT(R)

SUPER FAST DIODE MODULE TYPE 400A / 400V

Features

High Surge Capability Type 400V V_{RRM}

Maximum Ratings

Junction Operating Temperature : -55 °C to+175 °C

Storage Temperature : -55 °C to+175 °C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage	
MURQ40040CT(R)	400V	280V	400V	

Electrical Characteristics @ 25 °C Unless Otherwise Specified

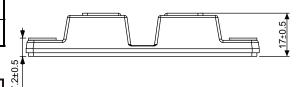
Item	Symbol	Rating	Conditions
Average Forward Current (Per pkg)	l _{F(AV)}	400 A	T _C = 125°C
Peak Forward Surge Current (Per diode)	İFSM	3400 A	8.3ms, half sine
Mounting torque		4 ± 0.5Nm 4 ± 0.5Nm	to heatsink (M6) to terminals (M6)

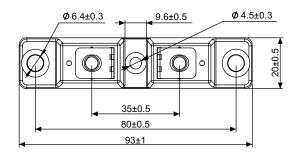
Item	Symbol	Rating		Conditions
IIGIII		Тур.	Max	Conditions
Maximum (Per diode) Instantaneous Forward Voltage *	V_{F}	1.10 V	1.30V	I _{FM} =200A ; T _J = 25°C
Maximum (Per diode) Instantaneous Reverse Current At Rated DC Blocking Voltage	I _R		25µA 3mA	$T_J = 25 ^{\circ}\text{C}$ $T_J = 125 ^{\circ}\text{C}$
Maximum Reverse Recovery Time (Per diode)	Trr		180ns	I _F =0.5A, I _R =1.0A, I _{RR} =0.25A
Maximum Thermal Resistance Junction To Case (Per diode)	R ₀ jc		0.35℃/W	

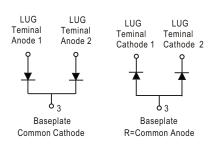
^{*}Pulse Test: Pulse Width 300 µsec, Duty Cycle < 2%



Dimensions in mm (1 mm = 0.0394")

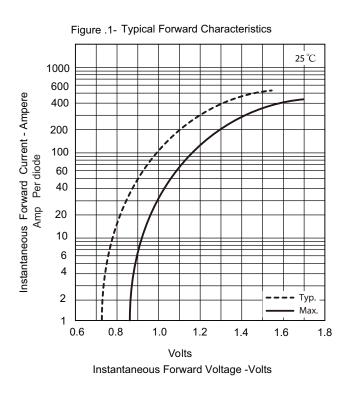


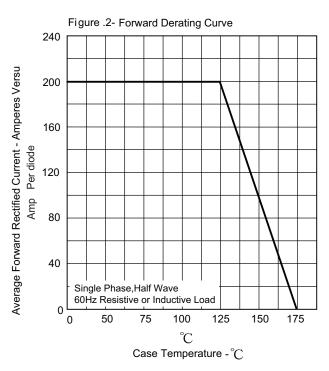


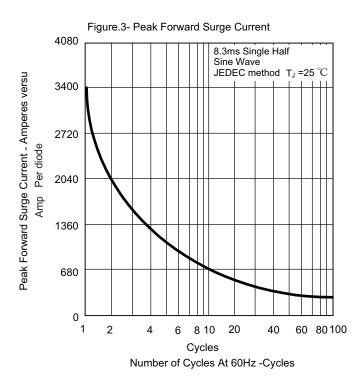


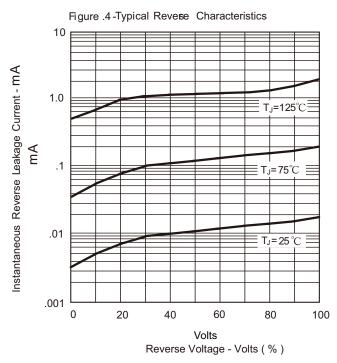


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