# DACO SEMICONDUCTOR CO., LTD. MURQ400A60CT(R)

## SUPER FAST DIODE MODULE TYPE 400A / 600V

#### **Features**

High Surge Capability Type 600V V<sub>RRM</sub>



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

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

Part Number	Part Number Maximum Recurrent Peak Reverse Voltage		Maximum DC Blocking Voltage
MURQ400A60CT(R)	600V	420V	600V

#### Electrical Characteristics @ 25 °C Unless Otherwise Specified

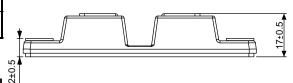
Item	Symbol	Rating	Conditions
Average Forward Current (Per pkg)	lf(AV)	400 A	T <sub>C</sub> = 125°C
Peak Forward Surge Current (Per diode)	İFSM	3400 A	8.3ms, half sine
Mounting torque		4 ± 0.5Nm 4 ± 0.5Nm	to heatsink to terminals

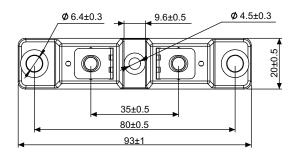
Item	Symbol	Rating		Conditions
Item		Тур.	Max	Conditions
Maximum (Per diode) Instantaneous Forward Voltage *	$V_{F}$	1.15 V	1.40V	I <sub>FM</sub> =200A ; T <sub>J</sub> = 25°C
Maximum (Per diode) Instantaneous Reverse Current At Rated DC Blocking Voltage	I <sub>R</sub>		25µA 3mA	$T_J = 25 ^{\circ}\text{C}$ $T_J = 125 ^{\circ}\text{C}$
Maximum Reverse Recovery Time (Per diode)	Trr		180ns	I <sub>F</sub> =0.5A, I <sub>R</sub> =1.0A, I <sub>RR</sub> =0.25A
Maximum Thermal Resistance Junction To Case (Per diode)	Røjc		0.35℃/W	

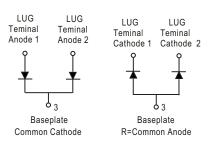
<sup>\*</sup>Pulse Test: Pulse Width 300 µsec, Duty Cycle < 2%



Dimensions in mm (1 mm = 0.0394")

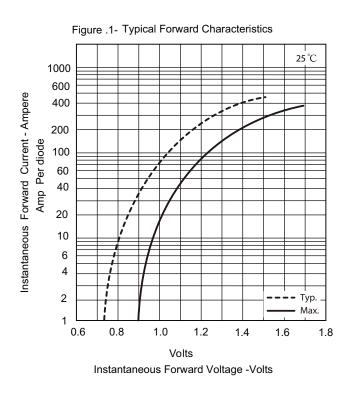


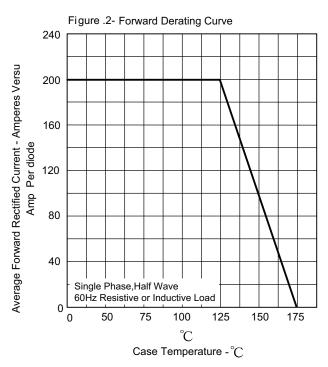


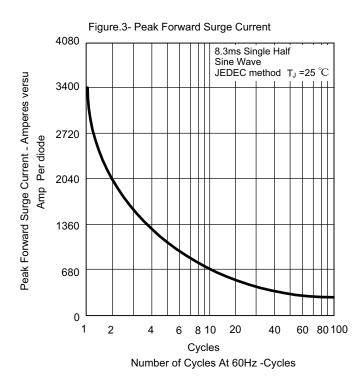


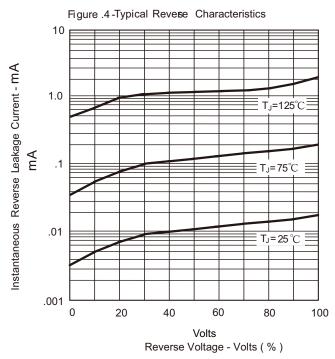


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