

## MURH7020(R) THRU MURH7060(R)

### SUPER FAST DIODE MODULE TYPES 70A

### **Features**

High Surge Capability Types Up to 600V  $_{\mbox{\scriptsize RRM}}$ 

## **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
MURH7020(R)	200V	140V	200V
MURH7040(R)	400V	280V	400V
MURH7060(R)	600V	420V	600V

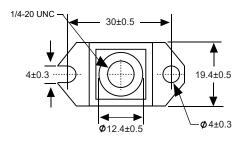
#### Electrical Characteristics @25°C Unless Otherwise Specified

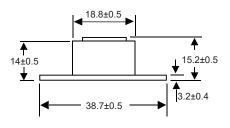
Average Forward Current (Per	pkg) IF(/	AV)	70A	Tc =125°C
Peak Forward Surge Current	les	SM	1300A	8.3ms, half sine
Instantaneous 7	020 040 V 060	'F	1.0V 1.3V 1.7V	I <sub>FM</sub> =70А ; Т <sub>J</sub> =25°С
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage*	IF	R	25uA 3mA	T <sub>J</sub> =25°C T <sub>J</sub> =125°C
Pagevery Time	020 040 060	rr	75ns 90ns 110ns	IF =0.5A, IR =1.0A IRR =0.25A
Maximum Thermal Resistance Junction To Case	Re	<b>9</b> jc	0.6°C/W	

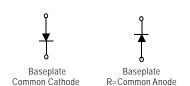
<sup>\*</sup>Pulse Test: Pulse Width 300  $\mu$  sec, Duty Cycle < 2%



Dimensions in mm (1 mm = 0.0394")

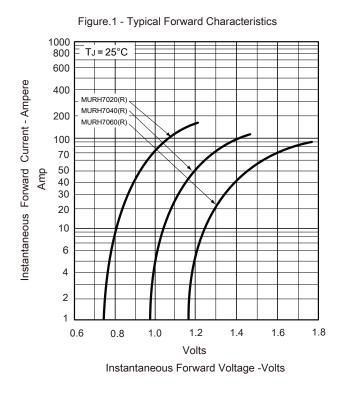


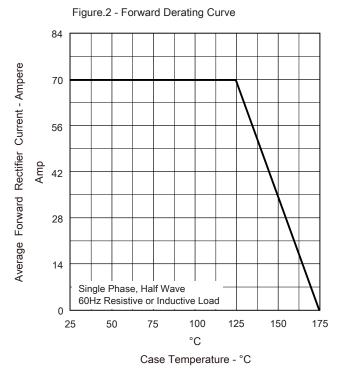


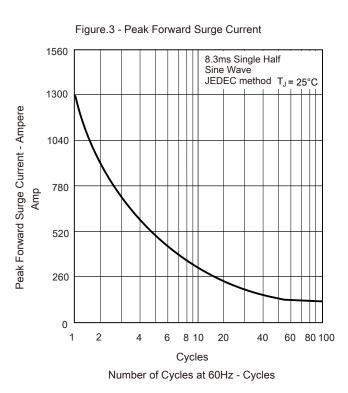


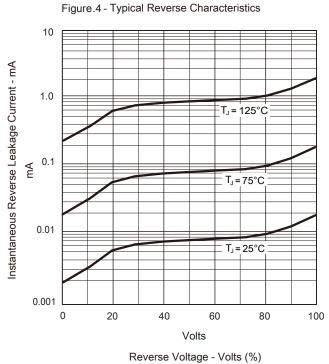


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