### SUPER FAST DIODE MODULE TYPE 300A

## **Features**

High Surge Capability Type 600V VRRM Isolation Type Package Electrically Isolation base plate

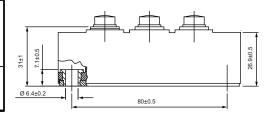


## **Maximum Ratings**

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
MURKA30060(A)D(R)	600V	420V	600V

Dimensions in mm (1 mm = 0.0394")



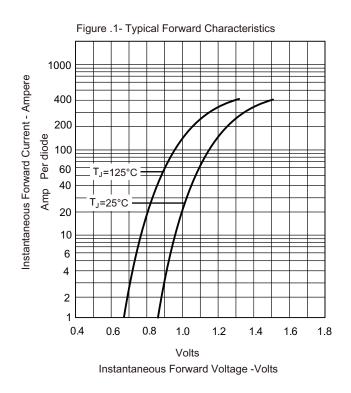
#### Electrical Characteristics @ 25 °C Unless Otherwise Specified

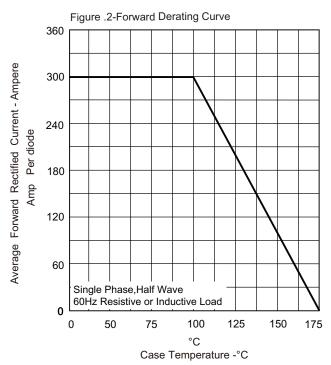
Average Forward (Per pkg) Current (Per diode)	lf(AV)	600A 300A	Tc = 100°C
Peak Forward Surge Current (Per diode)	lгsм	6000A	8.3ms , half sine
Maximum (Per diode) Instantaneous Forward Voltage *	VF	1.35V 1.15V	IFM= 300A;TJ = 25°C IFM= 300A;TJ = 125°C
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage*  (Per diode)	lr	50 μ A 5 mA	T <sub>J</sub> = 25°C T <sub>J</sub> = 125°C
Maximum Reverse Recovery Time	Trr	200ns	IF=0.5A,IR=1.0A, IRR=0.25A
Isolation Voltage	Visol	3000V	A.C. 1minute
Maximum Thermal Resistance Junction To Case	Røjc	0.14°C/W 0.28°C/W	Per pkg Per diode

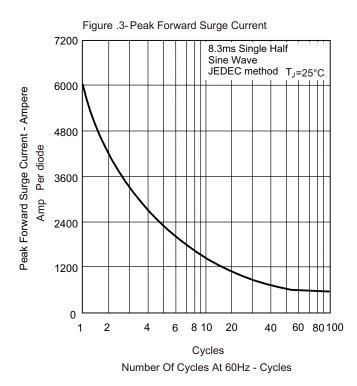
MURKA30060D MURKA30060AD

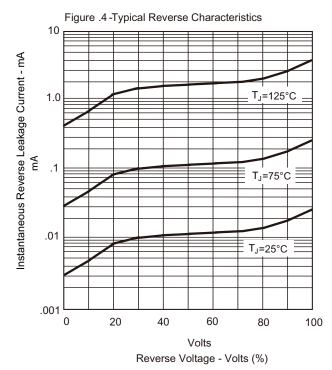
<sup>\*</sup>Pulse Test: Pulse Width 300  $\mu$ sec, Duty Cycle < 2%

# MURKA30060(A)D(R)









# MURKA30060(A)D(R)

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