## SUPER FAST DIODE MODULE TYPE 300A

# **Features**

High Surge Capability Type 1200V VRRM Isolation Type Package Electrically Isolation base plate

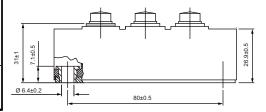


# **Maximum Ratings**

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
MURKA300120(A)(R)	1200V	840V	1200V

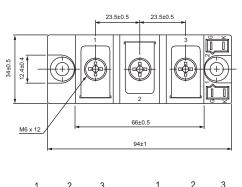
Dimensions in mm (1 mm = 0.0394")



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

Average Forward Current (Per pkg)	lf(AV)	300A	Tc = 100°C
Peak Forward Surge Current (Per diode)	IFSM	3500A	8.3ms , half sine
Maximum (Per diode) Instantaneous Forward Voltage *	VF	2.35V	IFM= 150A; Т <sub>J</sub> = 25°С
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage*  (Per diode)	lr	25 μ A 6 mA	T <sub>J</sub> = 25°C T <sub>J</sub> = 125°C
Maximum Reverse Recovery Time	Trr	180ns	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	

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

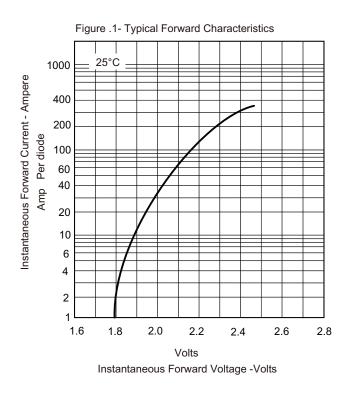


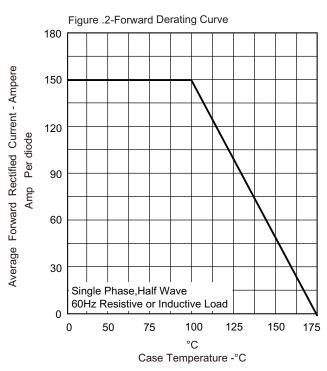


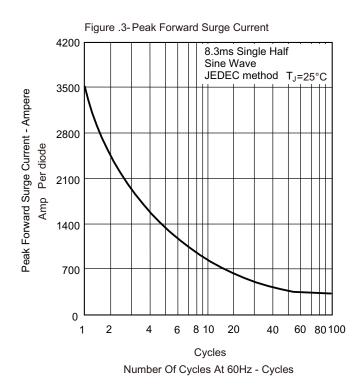


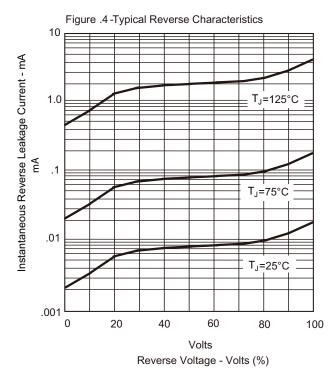
Common Anode MURKA300120R

Common Anode









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