MURKA300120(A)D(R)

SUPER FAST DIODE MODULE TYPE 300A

Features

High Surge Capability
Type 1200V V_{RRM}
Isolation Type Package
Electrically Isolation base plate

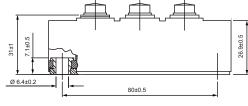


Maximum Ratings

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

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Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MURKA300120(A)D(R)	1200V	840V	1200V

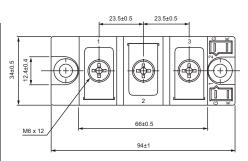


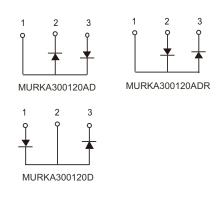
Dimensions in mm (1 mm = 0.0394")

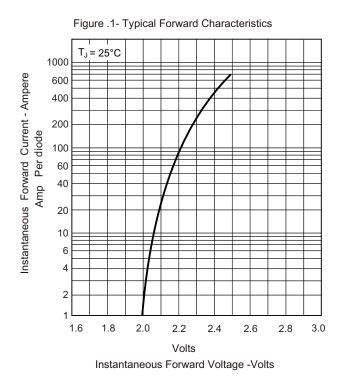
Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

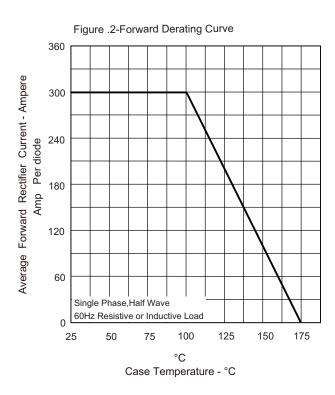
Average Forward (Per pkg) Current (Per diode)	lf(AV)	600A 300A	Tc = 100°C
Peak Forward Surge Current (Per diode)	IFSM	6000A	8.3ms , half sine
Maximum (Per diode) Instantaneous Forward Voltage *	VF	2.35V	IFM= 300A; T _J = 25°C
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage* (Per diode)	lr	50 μ A 6 mA	T _J = 25°C T _J = 125°C
Maximum Reverse Recovery Time	Trr	250ns	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

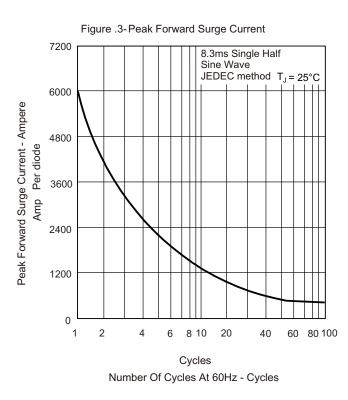
^{*}Pulse Test: Pulse Width 300 μ sec, Duty Cycle < 2%

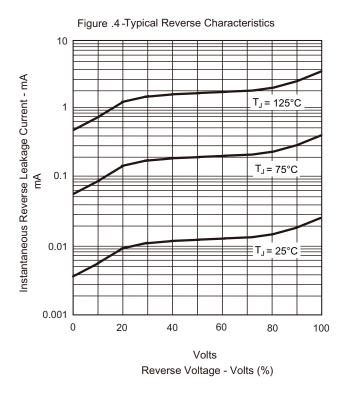












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