

FST12020 THRU FST12045

SCHOTTKY DIODE MODULE TYPES 120A / 20-45V

Features

High Surge Capability
Types Up to 45V VRRM
Isolated to Plate

Maximum Ratings

Operating Temperature: -55 °C to +150 °C Storage Temperature: -55 °C to +150 °C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
FST12020	20V	14V	20V
FST12030	30V	21V	30V
FST12035	35V	25V	35V
FST12040	40V	28V	40V
FST12045	45V	32V	45V

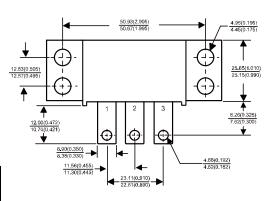
Average Forward Current (Per pkg)	lF(AV)	120A	Tc=125 ℃
Peak Forward Surge Current (Per leg)	İFSM	1000A	8.3ms,half sine
Maximum Instantaneous Forward Voltage (Per leg)	VF	0.70V	Ігм=60А;Тл=25℃
Maximum NOTE(1) Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg)	lR	1 mA 10 mA 30 mA	TJ=25℃ TJ=100℃ TJ=150℃
Maximum Thermal Resistance Junction To Case (Per leg)	Rθjc	0.80°C/W	

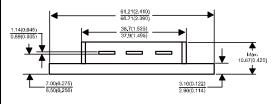


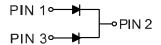
(1) Pulse Test: Pulse Width 300 μ sec, Duty < 2%

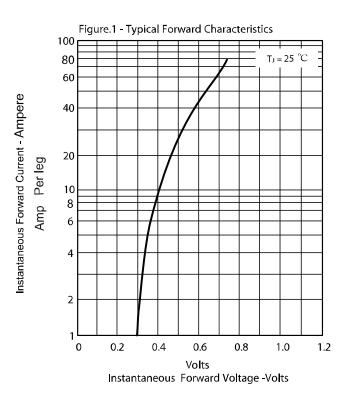


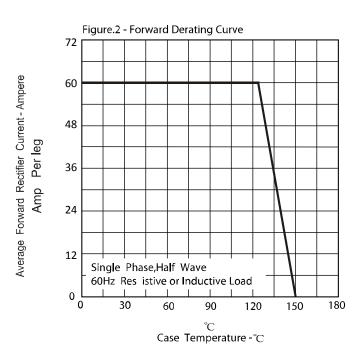
Dimensions in mm (1 mm = 0.0394")

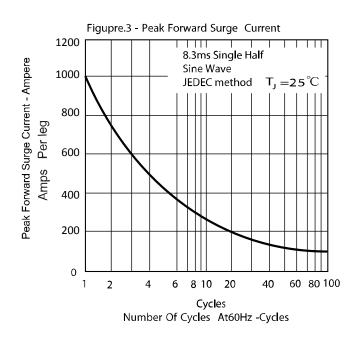


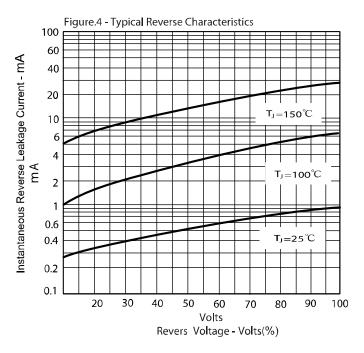












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