



**SCHOTTKY DIODE MODULE TYPE
120A / 60V**

Features

- High Surge Capability
- Type 60V V_{RRM}
- Isolated to Plate

Maximum Ratings

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



Dimensions in mm (1 mm = 0.0394")

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
FST12060	60V	42V	60V

Electrical Characteristics @ 25 °C Unless Otherwise Specified.

Average Forward Current (Per pka)	$I_{F(AV)}$	120A	$T_c=125\text{ }^\circ\text{C}$
Peak Forward Surge Current (Per leg)	I_{FSM}	1000A	8.3ms, half sine
Maximum Instantaneous Forward Voltage (Per leg)	V_F	0.75V	$I_{FM}=60A; T_J=25\text{ }^\circ\text{C}$
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg)	I_R	1 mA 10 mA 30 mA	$T_J=25\text{ }^\circ\text{C}$ $T_J=100\text{ }^\circ\text{C}$ $T_J=150\text{ }^\circ\text{C}$
Maximum Thermal Resistance Junction To Case (Per leg)	$R_{\theta jc}$	0.80°C/W	

NOTE :

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

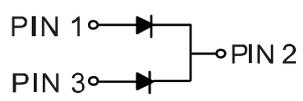
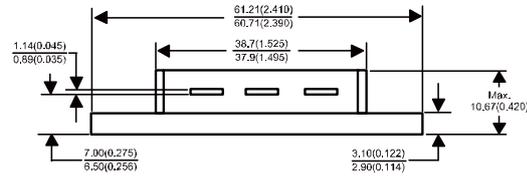
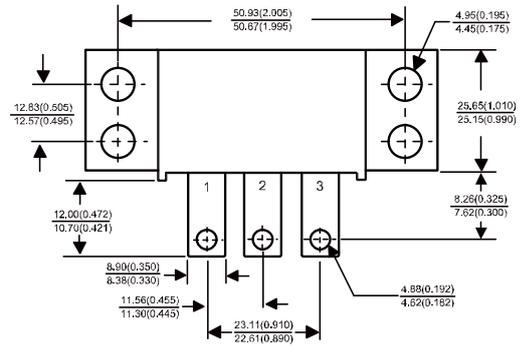




Figure.1 - Typical Forward Characteristics

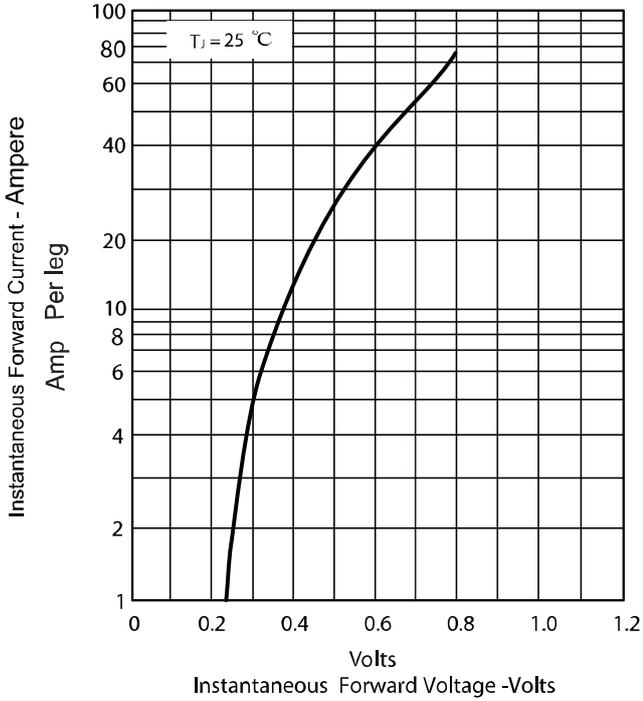


Figure.2 - Forward Derating Curve

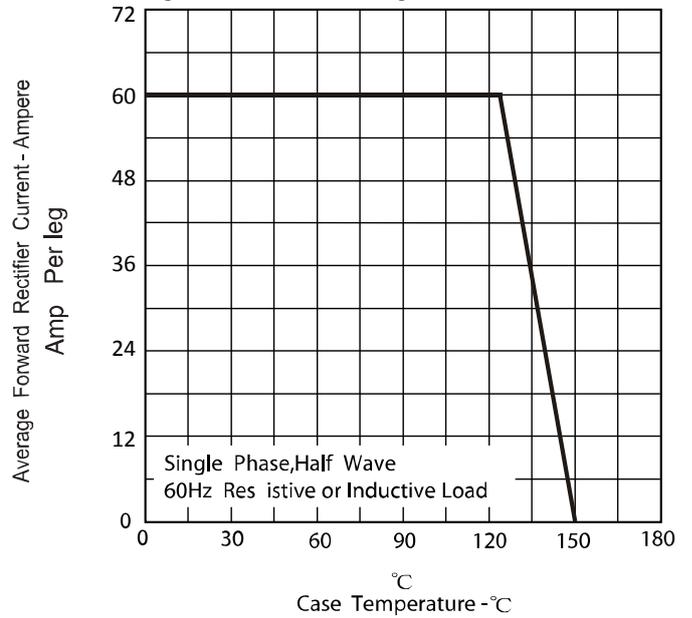


Figure.3 - Peak Forward Surge Current

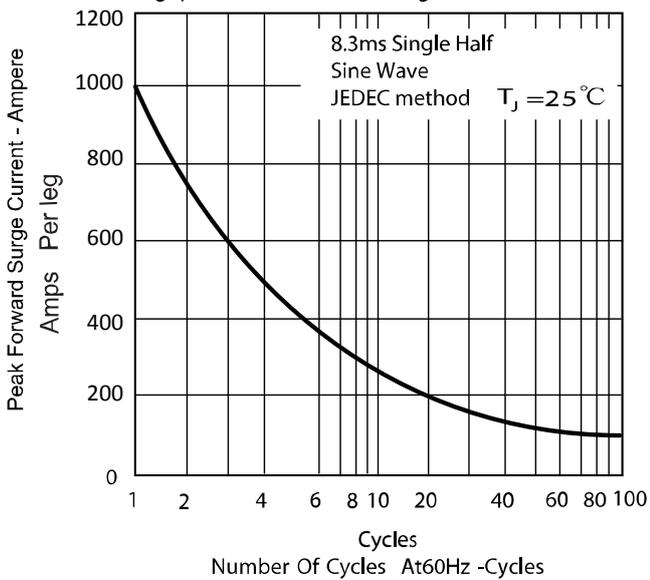
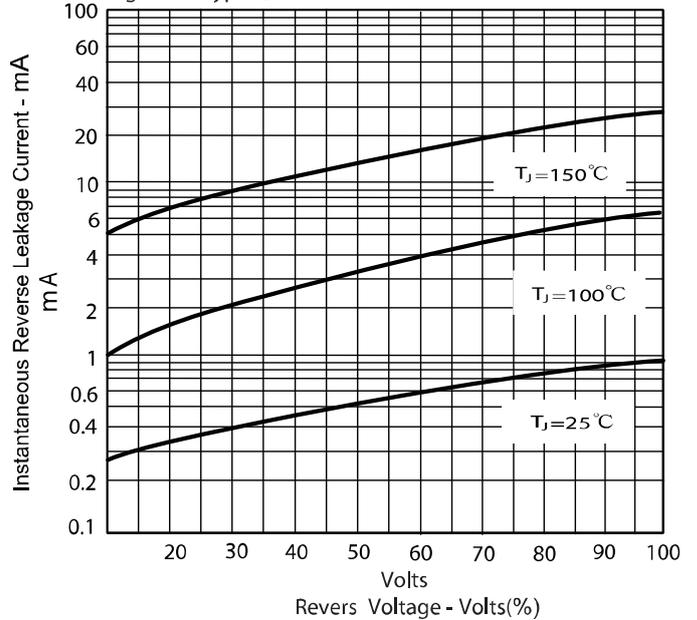


Figure.4 - Typical Reverse Characteristics





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