



SCHOTTKY DIODE MODULE TYPES 720A

Features

- High Surge Capability
- Types Up to 150V V_{RRM}

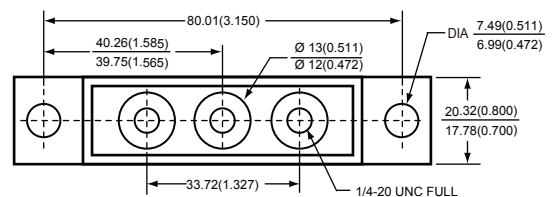


Maximum Ratings

Operating Temperature: -55°C to $+175^{\circ}\text{C}$
Storage Temperature: -55°C to $+175^{\circ}\text{C}$

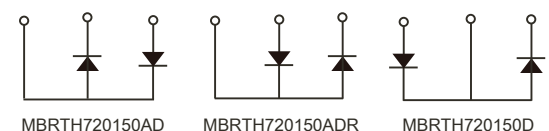
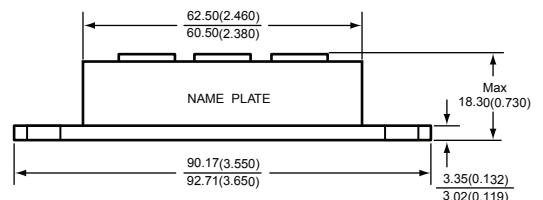
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRTH720135(A)D(R)	135V	95V	135V
MBRTH720150(A)D(R)	150V	105V	150V

Dimensions in mm (1 mm = 0.0394")



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	720A	$T_C = 135^{\circ}\text{C}$
Peak Forward Surge Current (Per leg)	I_{FSM}	6000A	8.3ms, half sine
Maximum Instantaneous Forward Voltage (Per leg)	V_F	0.76V 0.87V	$I_{FM}=360\text{A}; T_J=125^{\circ}\text{C}$ $I_{FM}=360\text{A}; T_J=25^{\circ}\text{C}$
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg)	I_R	4mA 10mA 50mA	$T_J = 25^{\circ}\text{C}$ $T_J = 100^{\circ}\text{C}$ $T_J = 150^{\circ}\text{C}$
Maximum Thermal Resistance Junction To Case (Per leg)	$R_{\theta jc}$	0.27°C/W	



NOTE :

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



Figure.1 - Typical Forward Characteristics

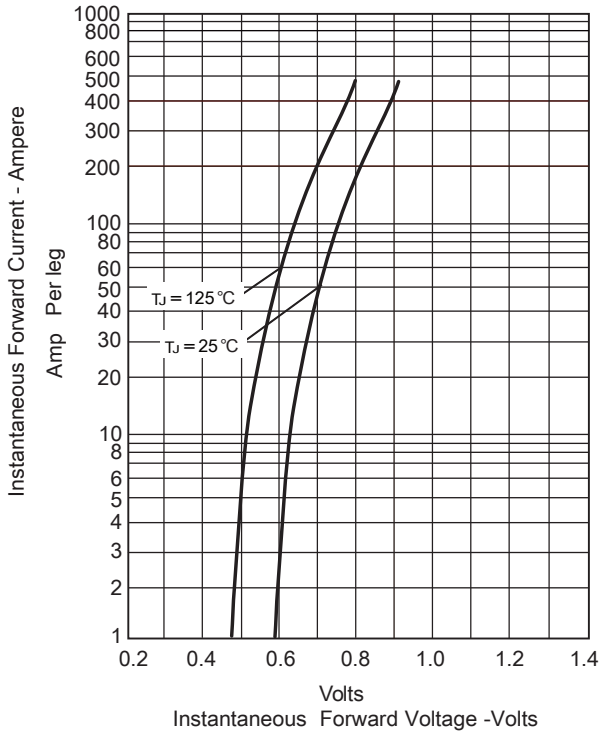


Figure.2 - Forward Derating Curve

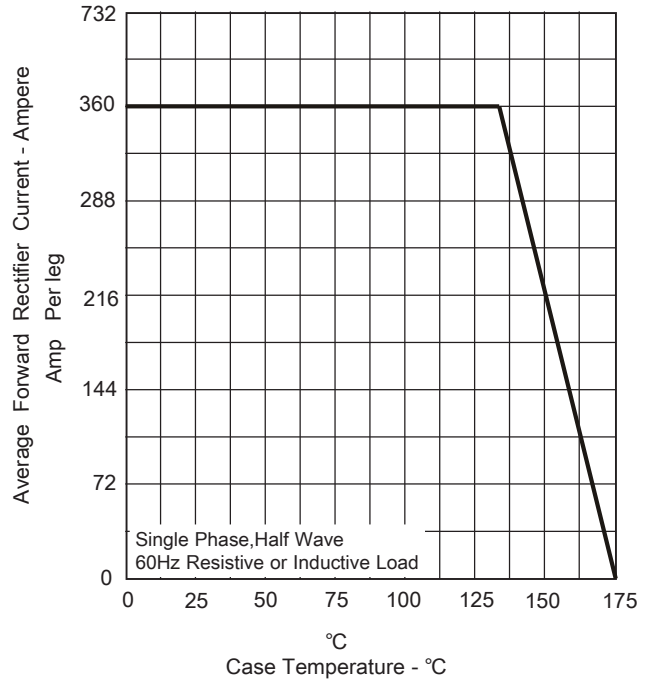


Figure.3 - Peak Forward Surge Current

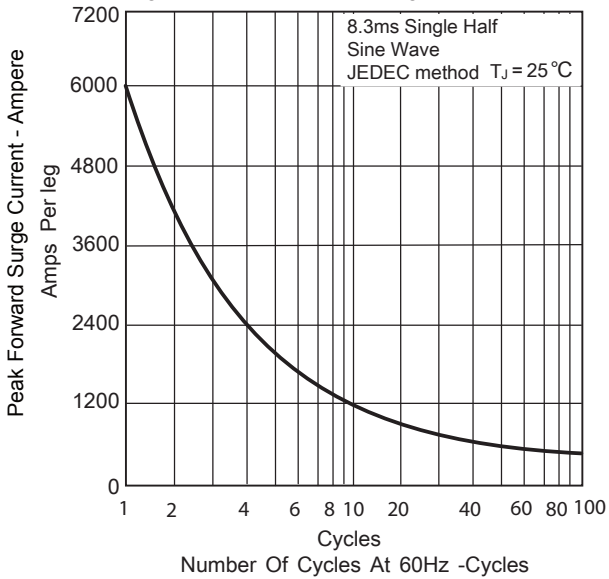


Figure.4 - Typical Reverse Characteristics

