



SCHOTTKY DIODE MODULE TYPES
240A / 20-45V

Features

High Surge Capability
Types Up to 45V V_{RRM}

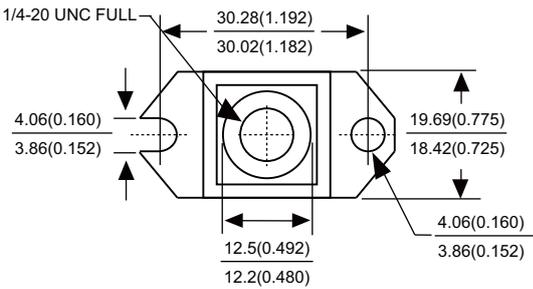
Maximum Ratings

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



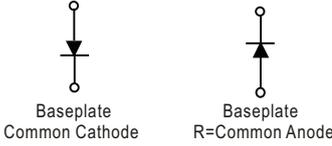
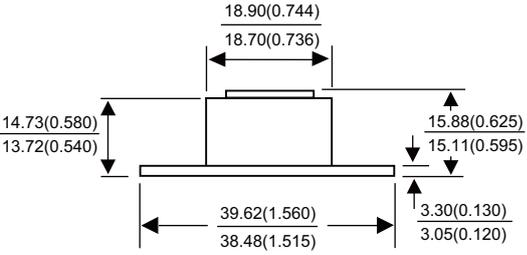
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRH24020(R)	20V	14V	20V
MBRH24030(R)	30V	21V	30V
MBRH24035(R)	35V	25V	35V
MBRH24040(R)	40V	28V	40V
MBRH24045(R)	45V	32V	45V

Dimensions in mm (1 mm = 0.0394")

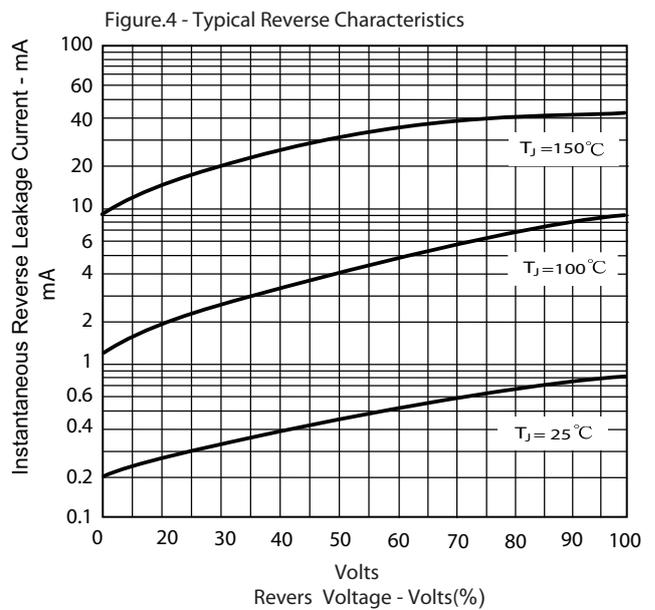
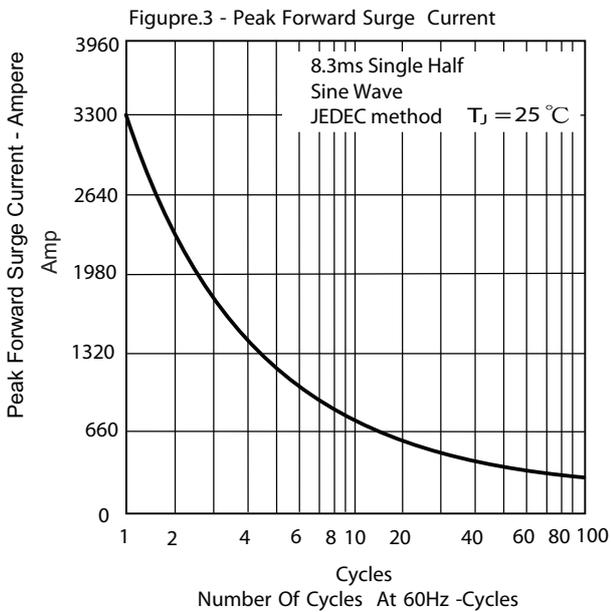
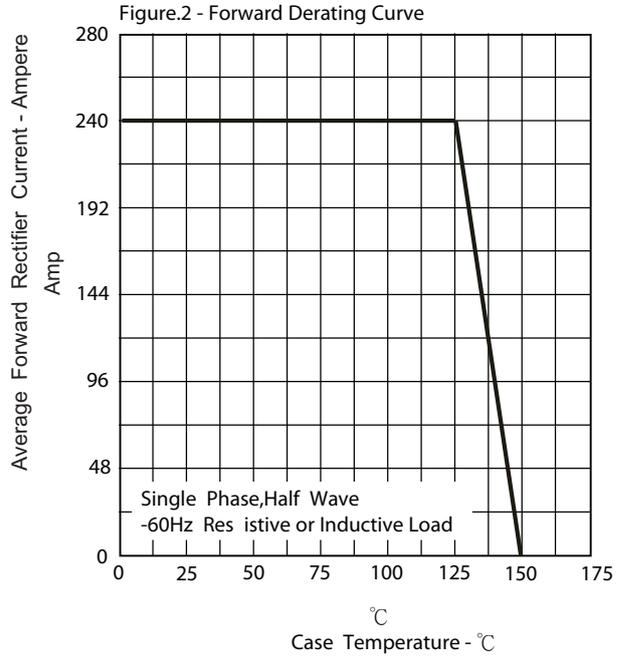
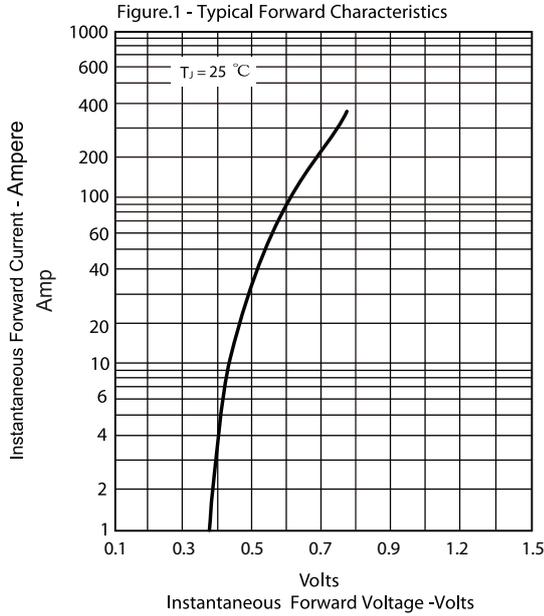


Electrical Characteristics @ 25 °C Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	240A	$T_C=125^{\circ}C$
Peak Forward Surge Current	I_{FSM}	3300A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	0.72V	$I_{FM}=240A; T_J=25^{\circ}C$
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage	I_R	1mA 10mA 50mA	$T_J=25^{\circ}C$ $T_J=100^{\circ}C$ $T_J=150^{\circ}C$
Maximum Thermal Resistance Junction To Case	$R_{\theta jc}$	0.30°C/W	



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





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