

## STANDARD RECOVERY DIODE MODULE TYPES 200A

### Features

High Surge Capability  
Types up to 1600V  $V_{RRM}$   
Isolation Type Package  
Electrically Isolation base plate

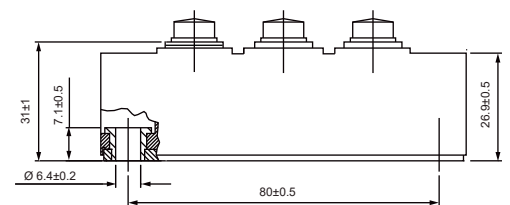
### Maximum Ratings

Operating Temperature :  $-40^{\circ}\text{C}$  to  $+175^{\circ}\text{C}$   
Storage Temperature :  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$



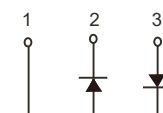
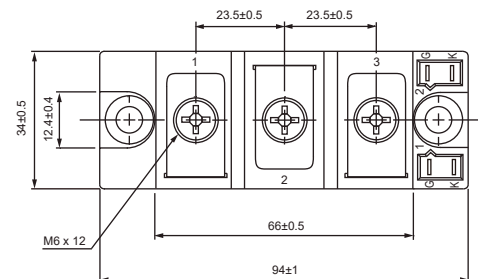
Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MSRKA20180(A)D(R)	800V	560V	800V
MSRKA201100(A)D(R)	1000V	700V	1000V
MSRKA201120(A)D(R)	1200V	840V	1200V
MSRKA201140(A)D(R)	1400V	980V	1400V
MSRKA201160(A)D(R)	1600V	1120V	1600V

Dimensions in mm (1 mm = 0.0394")

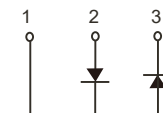


### Electrical Characteristics @ 25 °C Unless Otherwise Specified

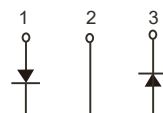
Average Forward Current (Per diode)	$I_{F(AV)}$	200A	$T_c = 100^{\circ}\text{C}$
Peak Forward Surge Current (Per diode)	$I_{FSM}$	7500A	8.3ms , half sine
Maximum Instantaneous Forward Voltage * (Per diode)	$V_F$	1.1V	$I_{FM}=200\text{A}; T_J = 25^{\circ}\text{C}$
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage* (Per diode)	$I_R$	25 $\mu\text{A}$ 5mA	$T_J = 25^{\circ}\text{C}$ $T_J = 150^{\circ}\text{C}$
Isolation Voltage	$V_{isol}$	3000V	A.C. 1minute
Maximum Thermal Resistance Junction To Case (Per diode)	$R_{\theta jc}$	0.21 $^{\circ}\text{C}/\text{W}$	



MSRKA201xxxAD

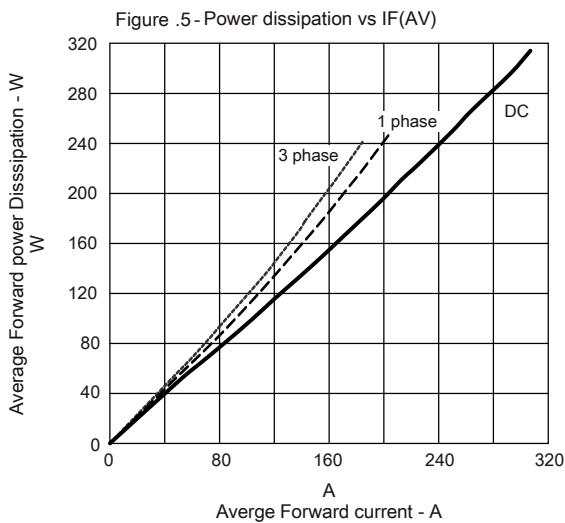
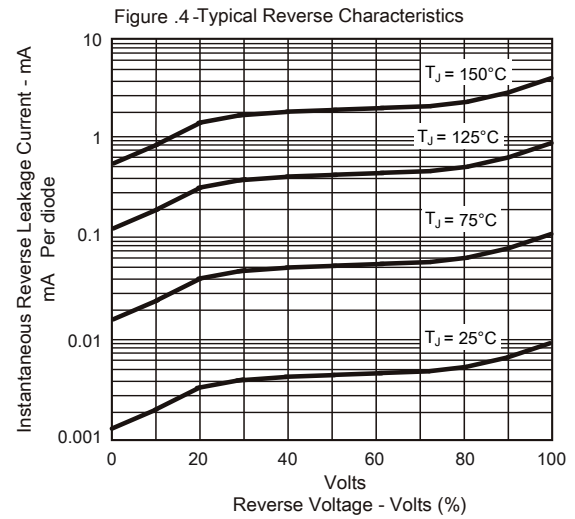
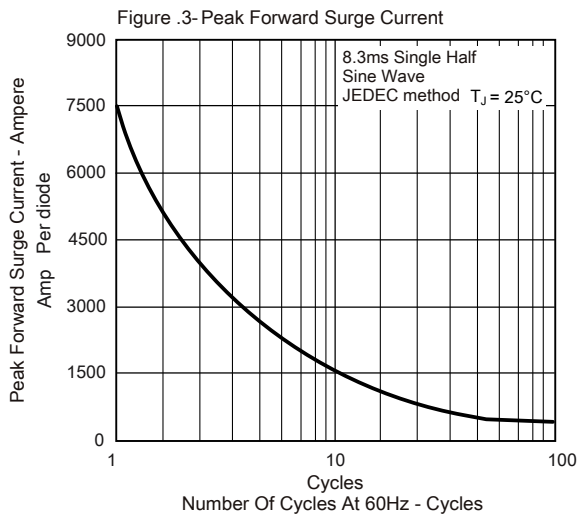
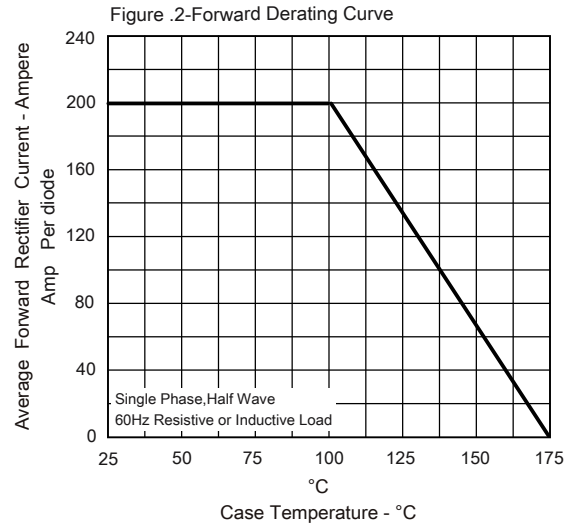
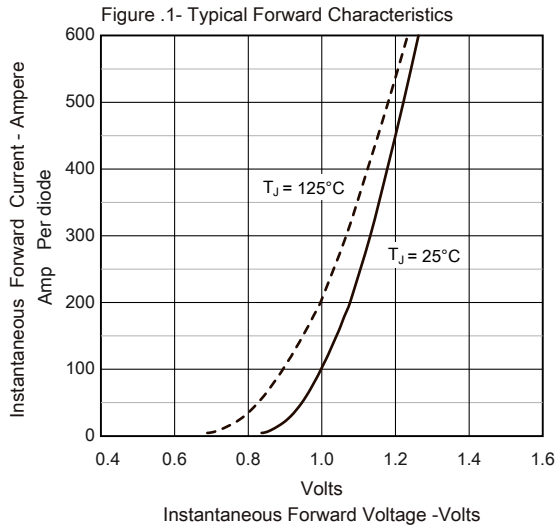


MSRKA201xxxADR



MSRKA201xxxD

\*Pulse Test: Pulse Width 300  $\mu\text{sec}$ , Duty Cycle < 2%



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