

## Features:

- Isolated Hermetic LCC18 Package
- Small outline
- Rugged Construction
- Ultra Fast Recovery
- MIL-PRF-19500 Screening: Available

200V, 5Amps, 35ns  
SURFACE MOUNT RECTIFIER

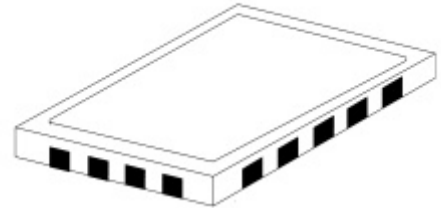


Table 1: Maximum Ratings <sup>③</sup> 25°C

Parameter	Max Rating
Peak Repetitive Reverse Voltage, $V_{RPM}$	200 V
Peak Working Reverse Voltage, $V_{RWM}$	
DC Reverse Blocking Voltage, $V_R$	
Average Forward Current, $I_O$	5 A
Non-Repetitive Peak Surge Current, $I_{FSM}$	50 A
Operating and Storage Junction Temp. Range	-55 to +175 °C
Thermal Resistance, junction to base	3.0 °C/W

Table 2: Electrical Characteristics per leg <sup>③</sup> 25°C

Parameter	Symbol	Conditions	Limits		Units
			Min	Max	
Reverse Current	$I_{R1}$	$V_R = 200V$		10	$\mu A$
Reverse Current	$I_{R2}$	$V_R = 200V, T_A = 100^\circ C$		1.0	mA
Forward Voltage	$V_{F1}$	$I_F = 5A$		1.0	V
Forward Voltage	$V_{F2}$	$I_F = 25A$		1.3	V
Forward Voltage	$V_{F3}$	$I_F = 5A, T_A = -55^\circ C$		1.1	V
Reverse Recovery Time	$t_{rr}$	$I_F = 1.0A, I_R = 0.1A$		35	nS
Junction Capacitance	$C_j$	$V_R = 10Vdc, f = 1 MHz, V_{SIG} = 50mV(pp), max$		250	pf

## Mechanical Dimensions

