



1. Anode 2. Cathode 3. Anode

Features:

- 1) Low power loss, high efficiency, High surge capacity.
- 2) For use in low voltage, high frequency inverters, Free wheeling, and polarity protection applications.
- 3) Metal silicon junction. Majority carrier conduction.
- 4) High current Capability, low forward voltage drop.
- 5) Guard ring for over voltage protection.

Absolute Maximum Ratings: ($T_A=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Value	Unit	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	200	V	
Maximum Average	$I_{F(AV)}$	10	A	
Maximum RMS Voltage	V_{RMS}	140	V	
Maximum DC Blocking Voltage	$V_{R(DC)}$	200	V	
Maximum Average Forward Current	$I_{F(AV)}$	10	A	
Peak Forward Surge Current: 8.3ms single half sine wave superimposed on rated load (JEDEC method)	I_{FSM}	200	A	
Forward Voltage	V_F	0.92	V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	$T_j=25^\circ\text{C}$	0.1	mA
		$T_j=125^\circ\text{C}$	20	mA
Maximum Operating Junction Temperature	T_J	150	$^\circ\text{C}$	
Storage Temperature	T_{stg}	-50 TO+175	$^\circ\text{C}$	