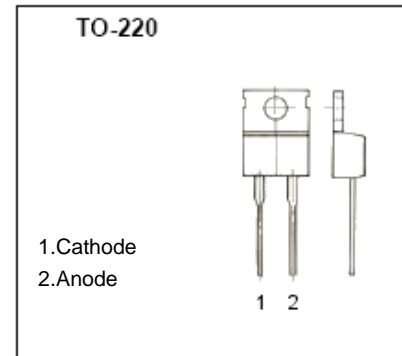
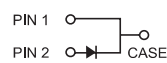


Schottky Barrier Rectifier

KBR10200

■ Features

- Low power loss, high efficiency
- High current capability, low forward voltage drop
- High surge capability

■ Maximum Ratings and Electrical Characteristics @ $T_A=25^{\circ}\text{C}$ unless otherwise specified

Parameter	Symbol	Rating	Unit
Peak repetitive peak reverse voltage	V_{RRM}	200	V
Working peak	V_{RWM}		
DC blocking voltage	V_R	140	V
RMS reverse voltage	$V_{R(RMS)}$		
Average Rectified Output Current	I_o	10	A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	150	A
Forward Voltage (Note 2) @ $I_F = 10\text{A}$ $T_C = 25^{\circ}\text{C}$	V_F	1.05	V
Peak Reverse Current (Note 2) @ $T_C = 25^{\circ}\text{C}$ At Rated DC Blocking Voltage @ $T_C = 100^{\circ}\text{C}$	I_{RM}	0.1 10	mA
Thermal resistance junction to Case	$R_{\theta JC}$	2	$^{\circ}\text{C}/\text{W}$
Operating Temperature Range	T_J	-65 to +150	$^{\circ}\text{C}$
Storage temperature	T_{stg}	-65 to +175	$^{\circ}\text{C}$

Notes: 1: 2.0us Pulse Width, $f=1.0\text{ KHz}$

2. Pulse Test: 300us Pulse Width, 1% Duty Cycle

3. Mounted on Heatsink Size of 2 in x 3 in x 0.25in Al-Plate.