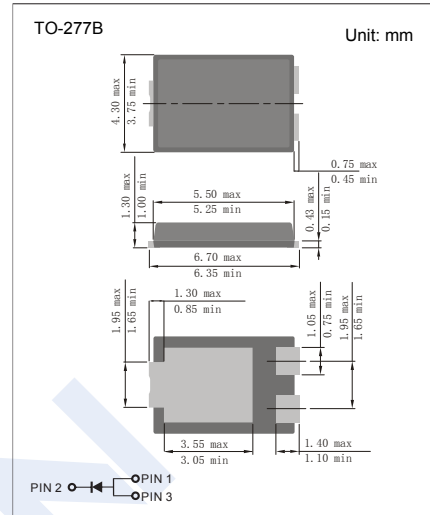


Schottky Barrier Diodes

KBR20T60SP5

■ Features

- Low Forward Voltage Drop
- Excellent High Temperature Stability.
- Trench Schottky Design using 8" Advanced Technology
- Soft, Fast Switching Capability
- Molded Plastic TO-277B Packages
- Lead Free Finish,RoHS Compliant

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Repetitive Peak Reverse voltage	V_{RRM}	60	V
Working Peak Reverse voltage	V_{RWM}		
DC Blocking Voltage	V_R		
Average Forward Rectified Current	I_{FAV}	20	A
Peak forward surge current	I_{FM}	240	
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage temperature range	T_{stg}	-65 to 150	

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V_R	$I_R = 0.5\text{mA}$	60			V
Forward voltage	V_{F1}	$I_F = 10\text{A}$ $T_J = 25^\circ\text{C}$		0.44	0.47	
	V_{F2}	$I_F = 20\text{A}$ $T_J = 25^\circ\text{C}$		0.5	0.52	
Reverse voltage leakage current	I_{R1}	$V_R = 60\text{V}$ $T_J = 25^\circ\text{C}$		50	100	μA
	I_{R2}	$V_R = 60\text{V}$ $T_J = 125^\circ\text{C}$			50	mA

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■ Typical Characteristics

