

Preliminary Data Sheet

SB320 THRU SB3100 3.0AMP. Schottky Barrier Rectifier

VOLTAGE:20 TO 100V

CURRENT: 3.0A

Specification Features:

- Case: Epoxy, Molded
- Weight:1.2Gram (Approximately)
- High current capability,Low Forward Voltage Drop
- High surge current capability
- Finish: All External Surfaces Corrosion Resistant And Terminal Leads Are Readily Solderable
- Lead And Mounting Surface Temperature For Soldering Purposed: 260[°]C Max. For 10 Seconds 1/16 Inch From Case
- RoHS Compliant
- Cathode Indicated By Polarity Band

Absolute Maximum Ratings T_A = 25°C unless otherwise noted



DEVICE MARKING DIAGRAM



SB3XX : Device Name SB320~ SB3100 KEL : KEL Logo

Parameter	Symbol	SB 320	SB 330	SB 340	SB 350	SB 360	SB 380	SB 3100	Units
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	20	30	40	50	60	80	100	V
Maximum DC Blocking Voltage	V _R	20	30	40	50	60	80	100	V
Maximum Average Forward Rectifier Current. (0.375" Lead Length @ $T_A=75^{\circ}$)	I _{F(AV)}	3.0							А
Non-repetitive Peak Forward Surge Current. (8.3mS Single Half Sine-wave)	I _{FSM}	80							A
Operating Junction Temperature	TJ	100 150						°C	
Storage Temperature Range	T _{STG}	-55 to +100 -55 to +150						°C	
Thermal Resistance (Note 1) (Junction to Ambient)	$R_{ extsf{ heta}JA}$	30						°C/W	

Electrical Characteristics $T_A = 25^{\circ}C$ unless otherwise noted

Parameter	Symbol	SB 320	SB 330	SB 340	SB 350	SB 360	SB 380	SB 3100	Units
Maximum D.C Reverse Current At Rated D.C Blocking Voltage @ TA=25℃ @ TA=100℃	I _R	1.0 30.0						mA	
Forward Voltage @3A	V _F	0.550			0.750		0.850		v
Total Capacitance @VR=4V, f=1MHz	C _T	180						pF	

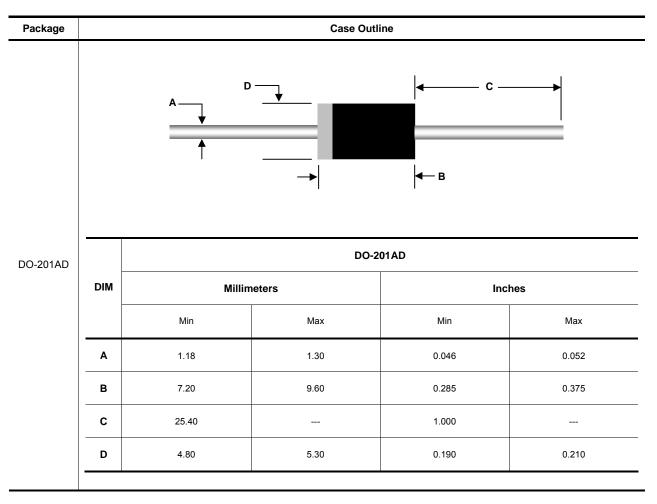
NOTE: (1) Thermal resistance from junction to ambient at 0.375" lead length, vertical P.C. board mounted

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Package Outline





NOTICE

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