

100V 3Amp Surface Mount Schottky Rectifier

FEATURES

- * For surface mount applications
- * Epitaxial construction
- * Very low forward voltage drop
- * For use in low voltage, high frequency inverter, free wheeling

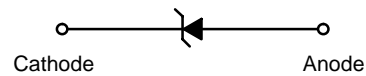
DO- 214AA

SMB



MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V- 0 rate flame retardant
- * Polarity: Color band denotes cathode end
- * Weight: 0.093 grams



Maximum Ratings and Electrical Characteristics

Parameter	Symbol	Rating	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	100	Volts
Maximum RMS voltage	V_{RMS}	70	Volts
Maximum DC blocking voltage	V_{DC}	100	Volts
Maximum average forward rectified current @ $T_L = 100^\circ C$	$I_{F(AV)}$	3.0	Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rates load (JEDEC Method)	I_{FSM}	100.0	Amps
Maximum forward voltage at 3.0A DC	V_F	0.79	Volts
Maximum DC reverse current at rated DC blocking voltage @ $T_a=25^\circ C, T_a=100^\circ C$	I_R	0.5 , 20	mA
Typical junction capacitance (Note 1)	C_j	100	pF
Typical thermal resistance (Note 2)	$R_{\theta JA}$	10.0	$^\circ C/W$
Operating junction temperature range	T_j	-55 to +125	$^\circ C$
storage temperature range	T_{STG}	-55 to +150	$^\circ C$

Notes: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance Junction to Lead.

Package Dimensions in inches and (millimeters)

