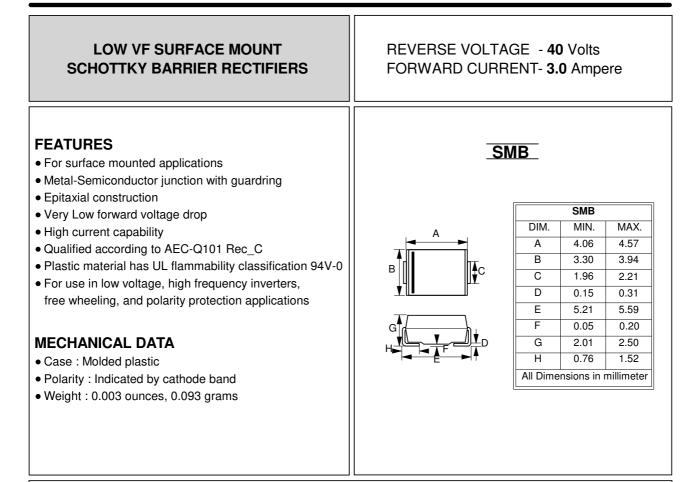


B340LB



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 $^\circ\!\mathrm{C}$ ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	B340LB		UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	40		V
Maximum RMS Voltage	VRMS	28		V
Maximum DC Blocking Voltage	VDC	40		V
Maximum Average Forward Rectified Current @TL=90°C	l(AV)	3.0		А
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load	IFSM	70		A
$\label{eq:states} \begin{array}{ll} \mbox{Maximum Instantaneous} & \mbox{@ IF= 1A; TJ = } 25 \ensuremath{\mathbb{C}} \\ \mbox{Forward Voltage} & \mbox{@ IF= 3A; TJ = } 25 \ensuremath{\mathbb{C}} \\ \end{array}$	VF	0.35 0.45		V
$\begin{array}{l} \mbox{Maximum DC Reverse} \\ \mbox{Current at Rated DC} \\ \mbox{Blocking Voltage} \end{array} \qquad $	IR	0.15 1		mA
Typical Junction Capacitance (Note 1)	CJ	250		pF
Typical Thermal Resistance (Note 2)	Rejl	15		°C/W
Operating Temperature Range	TJ	-55 to +125		°C
Storage Temperature Range	Тята	-55 to +150		°C

NOTES : 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC. 2.Thermal Resistance Junction to lead.

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RATING AND CHARACTERISTIC CURVES B340LB

FIG.1 - FORWARD CURRENT DERATING CURVE FIG.2 - MAXIMUM NON-REPETITIVE SURGE CURRENT PEAK FORWARD SURGE CURRENT, AMPERES 4.0 80 AVERAGE FORWARD CURRENT AMPERES 70 60 3.0 50 2.0 40 30 1.0 20 Pulse Width 8.3ms Single Half-Sine-Wave SINGLE PHASE HALF WAVE 60Hz RESISTIVE OR INDUCTIVE LOAD 10 0 0 20 40 60 80 100 120 140 1 2 5 10 20 50 100 LEAD TEMPERATURE, C NUMBER OF CYCLES AT 60Hz FIG.3 - TYPICAL FORWARD CHARACTERISTICS FIG.4 - TYPICAL JUNCTION CAPACITANCE 10 1000 INSTANTANEOUS FORWARD CURRENT, (A) CAPACITANCE, (pF) TJ = 125 C 1 100 TJ =100 C TJ = 25℃ TJ = 250 PULSEWIDTH:300us 0.1 10 0 0.05 0.1 0.15 0.2 0.25 0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.1 100 10 1 REVERSE VOLTAGE , (VOLTS) INSTANTANEOUS FORWARD VOLTAGE, (VOLTS) FIG.5 - TYPICAL REVERSE CHARACTERISTICS 1000 INSTANTANEOUS REVERSE CURRENT, (mA) 100 TJ = 125°C 10 TJ = 100℃ 1 0.1 TJ = 25℃ 0.01 0 5 10 15 25 35 45 50 20 30 40 RATED PEAK REVERSE VOLTAGE, (V)

LITEON



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