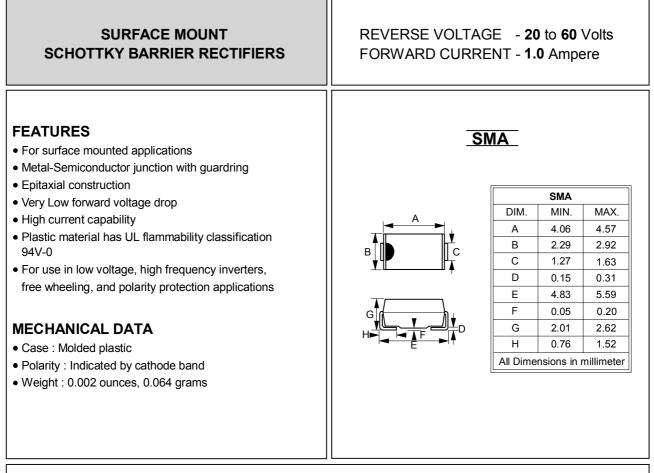
## LITE ON SEMICONDUCTOR

## B120 thru B160



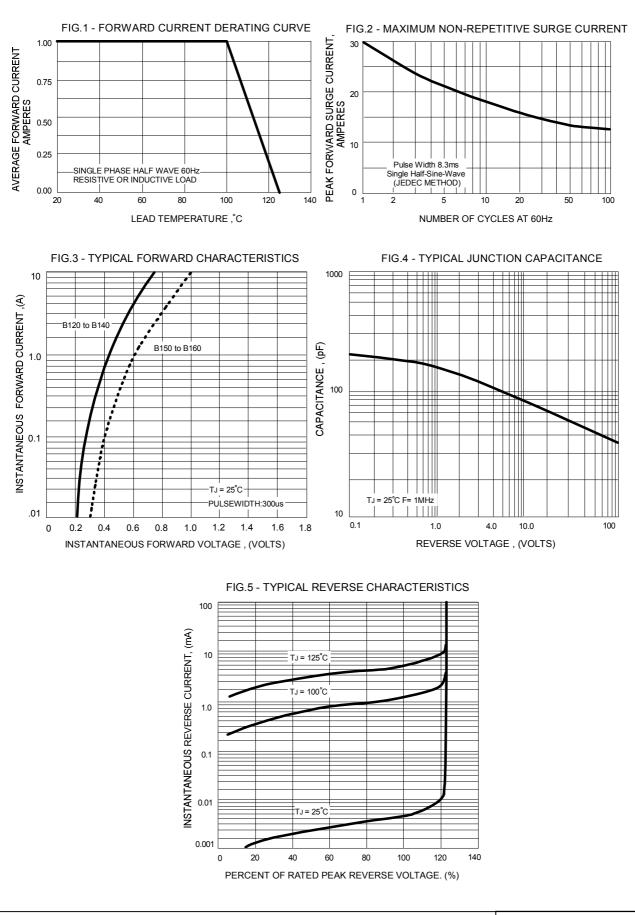
## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at  $25^{\circ}$ C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	B120	B130	B140	B150	B160	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	40	50	60	V
Maximum RMS Voltage	VRMS	14	21	28	35	42	V
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	V
Maximum Average Forward Rectified Current @TL =100°C	I(AV)	1.0					А
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC METHOD)	IFSM	30					A
Maximum forward Voltage at 1.0A DC	VF		0.5		C	).7	V
Maximum DC Reverse Current@TJ =25°Cat Rated DC Blocking Voltage@TJ =100°C	IR	0.5 10					mA
Typical Junction Capacitance (Note 1)	Сл	110					pF
Typical Thermal Resistance (Note 2)	Rejl	20					°C/W
Operating Temperature Range	TJ	-55 to +125					°C
Storage Temperature Range	Тѕтс			-55 to +150			°C

NOTES : 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC. 2.Thermal Resistance Junction to Lead. REV. 2, 01-Dec-2000, KSHA01

## RATING AND CHARACTERISTIC CURVES B120 thru B160



REV. 2, 01-Dec-2000, KSHA01

LITEON