

SB240L	
2.0AMPS. SCHOTTKY BARRIER RECTIFIERS	
<p>FEATURE</p> <ul style="list-style-type: none"> . High current capability . Low forward voltage drop . Low power loss, high efficiency . High surge capability . High temperature soldering guaranteed 260°C /1 0sec/0.375" lead length at 5 lbs tension <p>MECHANICAL DATA</p> <ul style="list-style-type: none"> . Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C . Case: Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy (free halogen) . Polarity: color band denotes cathode . Mounting position: any 	<p>DO-15</p> <p style="text-align: right;">DIA.</p> <p style="text-align: right;">DIA.</p> <p style="text-align: center;">Dimensions in inches and (millimeters)</p>

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

Type Number	SYMBOL	SB240L	units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	40	V
Maximum RMS Voltage	V_{RMS}	28	V
Maximum DC blocking Voltage	V_{DC}	40	V
Maximum Average Forward Rectified Current .375"(9.5mm)lead length	$I_{F(AV)}$	2.0	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	50.0	A
Maximum Forward Voltage at 2.0A DC	V_F	0.5	V
Maximum DC Reverse Current @ $T_J=25^\circ C$ at rated DC blocking voltage @ $T_J=100^\circ C$	I_R	0.2	mA
		10.0	
Typical Junction Capacitance (Note1)	C_J	170	pF
Typical Thermal Resistance (Note2)	$R_{(JA)}$	50	°C/W
	$R_{(JC)}$	22	
Storage Temperature	T_{STG}	-55 to +150	°C
Operating Junction Temperature	T_J	-55 to +125	°C

Note:

1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
2. Thermal Resistance from Junction to Ambient at 0.375"(9.5mm)lead length, vertical P.C.Board Mounted

RATING AND CHARACTERISTIC CURVES (SB240L)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

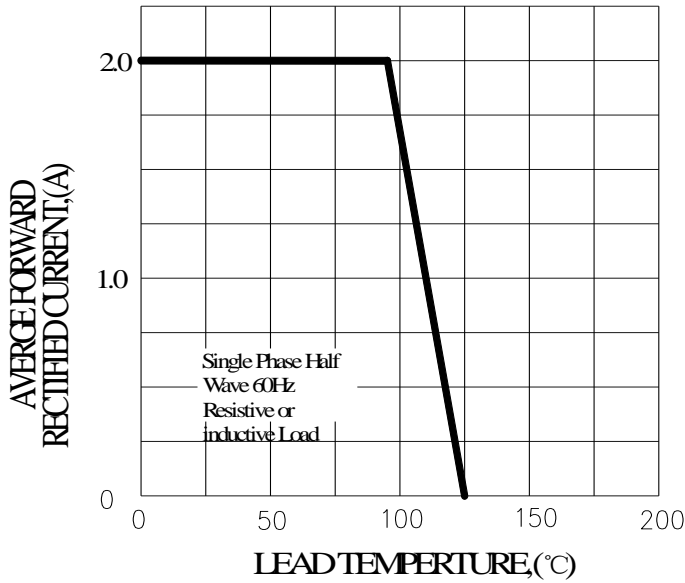


FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

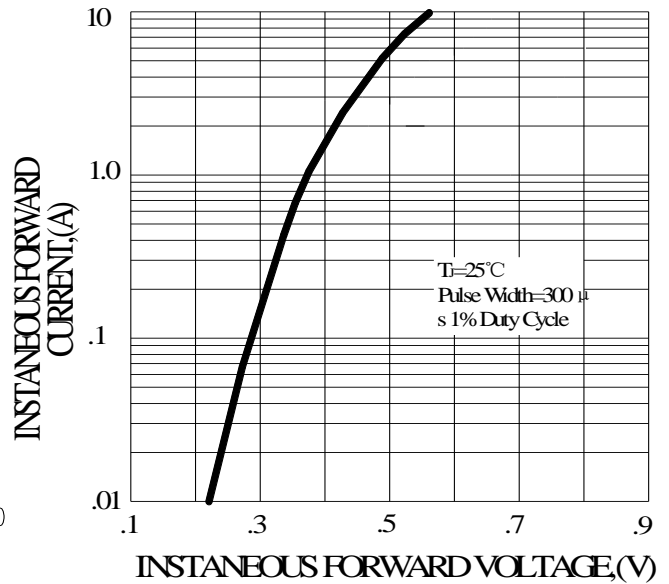


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

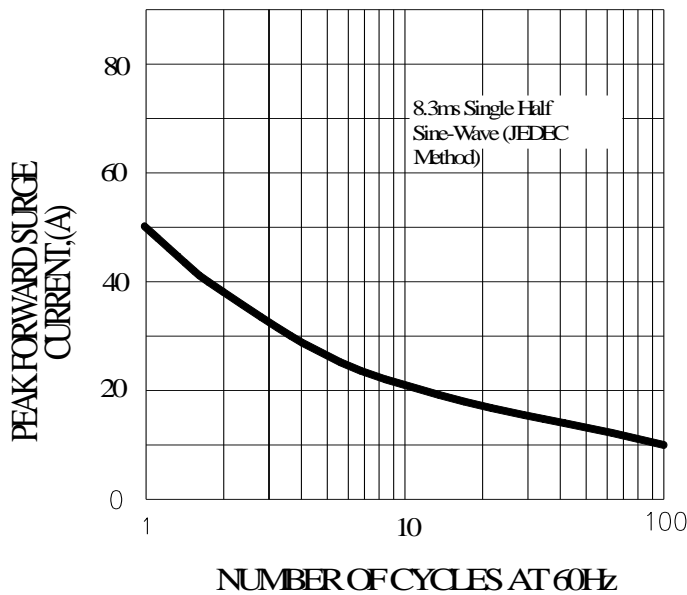
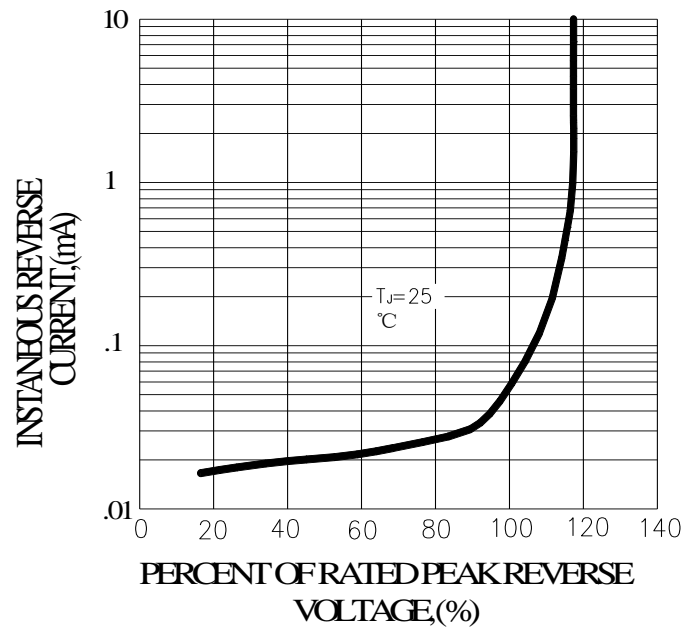


FIG.4-TYPICAL REVERSE CHARACTERISTICS



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [pingwei manufacturer](#):

Other Similar products are found below :

[KBJ1008](#) [SB5150L](#) [P6SMBJ68CA](#) [GBU410](#) [DB207S](#) [KBJ1006](#) [SB5P45](#) [KBJ1010](#) [GBL410](#) [GBU408](#) [PS40U60CT](#) [MBR20200CT](#) [D16-](#)
[DSS16](#) [MUR1040CT](#) [MBR30100CT](#) [MBR20200FCT](#) [MBR20100CT](#) [MBR20150FCT](#) [FR107](#) [GBU806](#) [HBRA10100BCT](#) [SB2200](#)
[MUR1620CTR](#) [SB5150](#) [GBU1006](#) [1N5404](#) [6A2](#) [PS10U100S](#) [GS1G](#) [GBJ2010](#) [GBU606](#) [16N65MF](#) [20N65NF](#) [HER303](#) [6A1](#) [1N5395](#)
[SF16](#) [18N50MF](#) [MBR30100FCT](#) [MUR1640FCT](#) [MBR30200FCT](#) [SS510B](#) [GBU406](#) [GBP206](#) [KBJ406](#) [100N10NF](#) [MBR10200FCT](#)
[GBU808](#) [SS3T10A](#) [PS40U100CT](#)