



SBS34

SCHOTTKY BRIDGE

3.0A SCHOTTKY MOUNT BRIDGE RECTIFIER

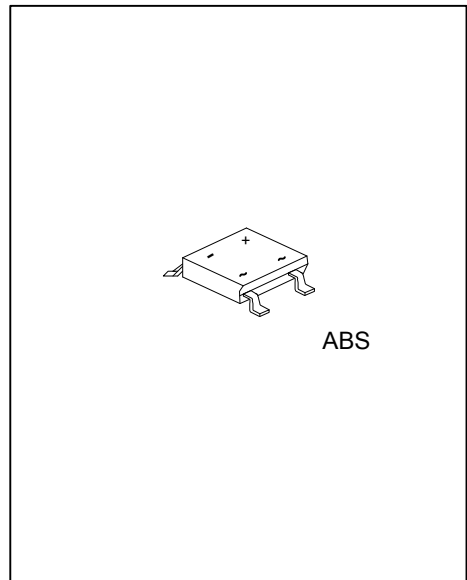
DESCRIPTION

The UTC **SBS34** is a schottky bridge rectifiers, it uses UTC's advanced technology to provide customers with high surge current capability, etc.

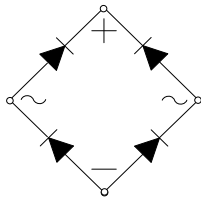
The UTC **SBS34** is suitable for General purpose use in ac-to-dc bridge full wave rectification for LED bulb and telecommunication.

FEATURES

- * Reverse Voltage: 40 to 200V
- * Forward Current: 3A
- * High Surge Current Capability
- * Designed for Surface Mount Application



SYMBOL

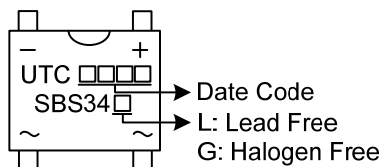


ORDERING INFORMATION

Ordering Number		Package	Packing
Lead Free	Green Package		
SBS34L-ABS-R	SBS34G-ABS-R	ABS	Tape Reel

<p>SBS34G-ABS-R</p> <ul style="list-style-type: none"> (1) Packing Type (2) Package Type (3) Green Package 	<ul style="list-style-type: none"> (1) R: Tape Reel (2) ABS: ABS (3) G: Halogen Free and Lead Free, L: Lead Free
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MARKING



■ ABSOLUTE MAXIMUM RATINGS ($T_A=25^\circ\text{C}$, unless otherwise noted)

PARAMETER	SYMBOL	RATINGS	UNIT
DC Blocking Voltage	V_{DC}	40	V
RMS Voltage	V_{RMS}	28	V
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Average Forward Rectified Current	$I_{F(AV)}$	3	A
Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Superimposed on Rated Load	I_{FSM}	80	A
Operating Junction Temperature Range	T_J	-55 ~ +125	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 ~ +150	$^\circ\text{C}$

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ THERMAL DATA

PARAMETER	SYMBOL	RATINGS	UNIT
Junction to Ambient	θ_{JA}	60	$^\circ\text{C}/\text{W}$

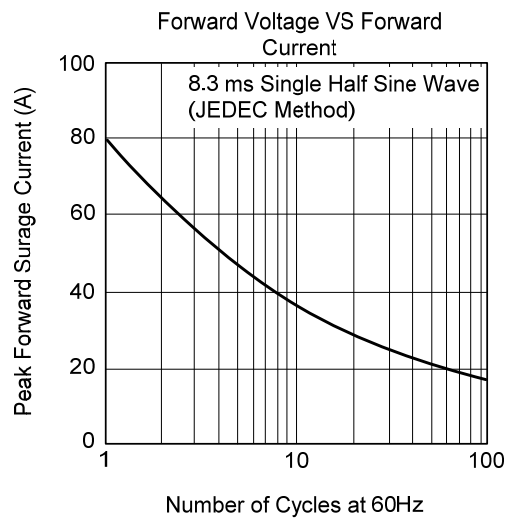
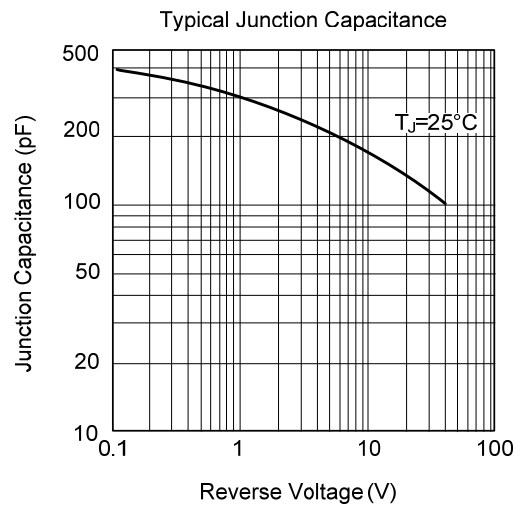
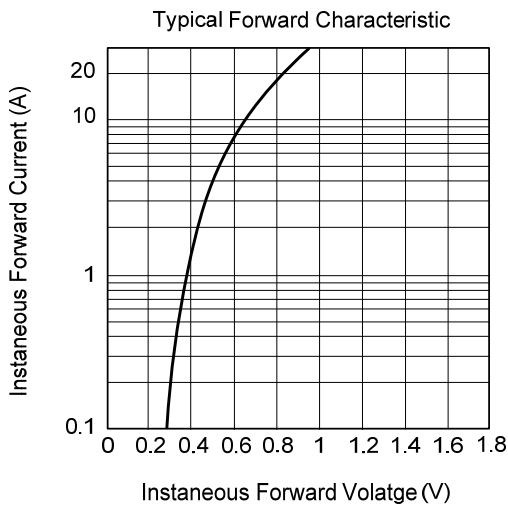
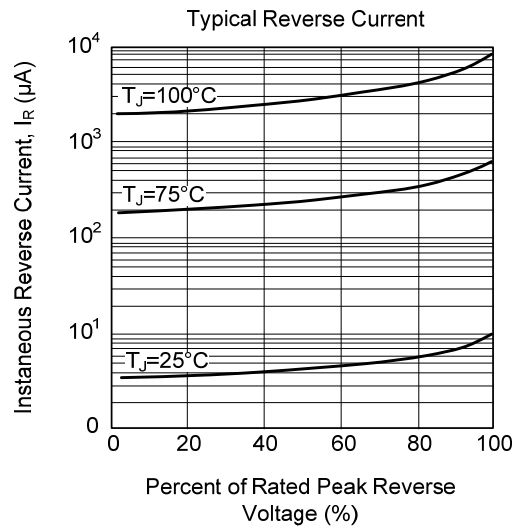
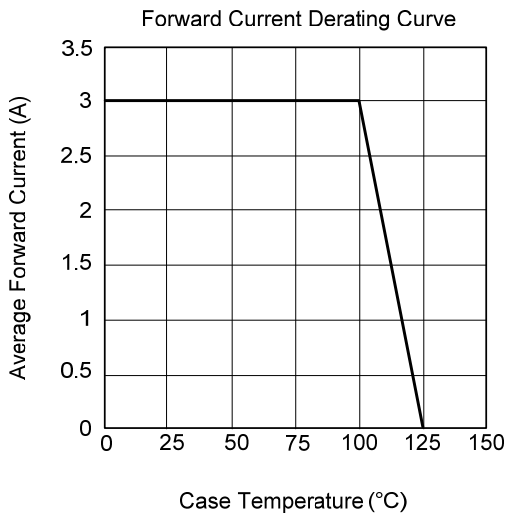
Note: Mounted on glass epoxy PC board with 4×1.5"×1.5" (3.81×3.81 cm) copper pad.

■ ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$ unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Instantaneous Forward Voltage (Note 1)	V_F	$I_F=3\text{A}$			0.55	V
DC Reverse Current at Rated DC Blocking Voltage	I_R	$T_J=25^\circ\text{C}$			0.5	mA
		$T_J=100^\circ\text{C}$			10	mA
Typical Junction Capacitance (Note)	C_J				250	pF

Note: Measured at 1MHz and applied reverse voltage of 4 V D.C.

TYPICAL CHARACTERISTICS



UTC assumes no responsibility for equipment failures that result from using products at values that exceed, even momentarily, rated values (such as maximum ratings, operating condition ranges, or other parameters) listed in products specifications of any and all UTC products described or contained herein. UTC products are not designed for use in life support appliances, devices or systems where malfunction of these products can be reasonably expected to result in personal injury. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. UTC reserves the right to make changes to information published in this document, including without limitation specifications and product descriptions, at any time and without notice. This document supersedes and replaces all information supplied prior to the publication hereof.