



SBS34

SCHOTTKY BRIDGE

3.0A SCHOTTKY BRIDGE RECTIFIER

DESCRIPTION

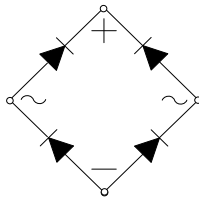
The UTC **SBS34** is a schottky bridge rectifiers, it uses UTC's advanced technology to provide customers with high surge current capability, etc.

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

FEATURES

* High surge current capability

SYMBOL

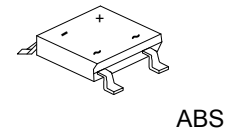
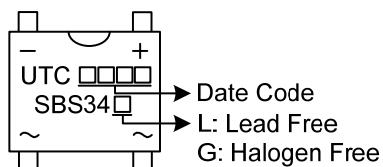


ORDERING INFORMATION

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

SBS34G-ABS-R (1) Packing Type (2) Package Type (3) Green Package	(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°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
Rating for fusing (t<8.3ms)	I ² T	26	A ² s
Operating Junction Temperature Range (Note 2)	T _J	-55 ~ +125	°C
Storage Temperature Range	T _{STG}	-55 ~ +150	°C

Notes: 1. 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.

2. $\frac{dP_D}{dT_J} < \frac{1}{\theta_{JA}}$ Condition to avoid thermal runaway based on the application thermal conduction, $\delta=0.5$

■ THERMAL DATA

PARAMETER	SYMBOL	RATINGS	UNIT
Junction to Ambient	θ _{JA}	83	°C/W

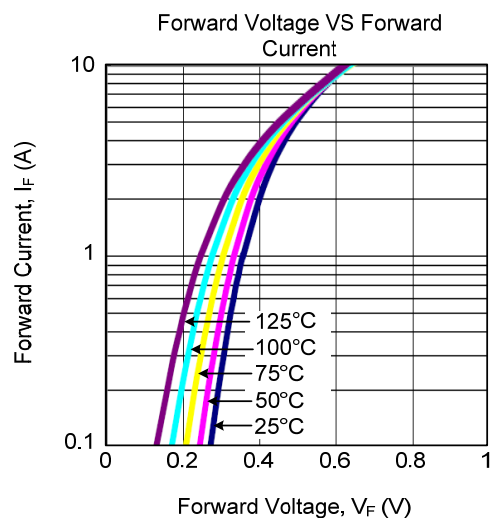
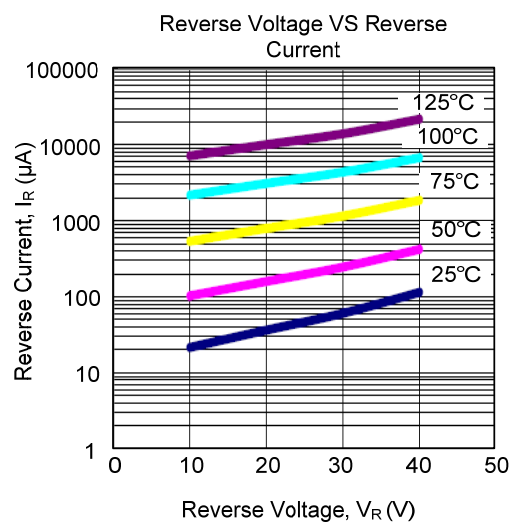
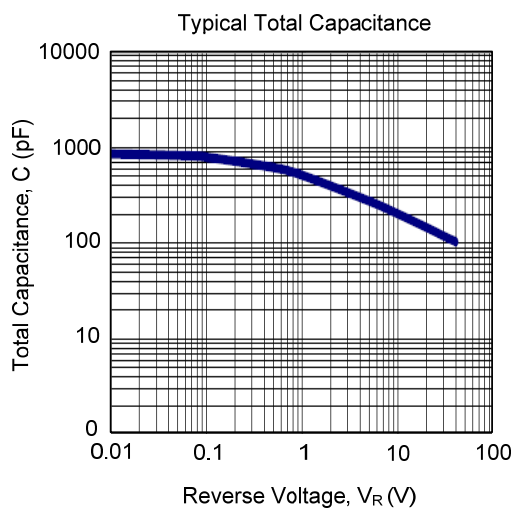
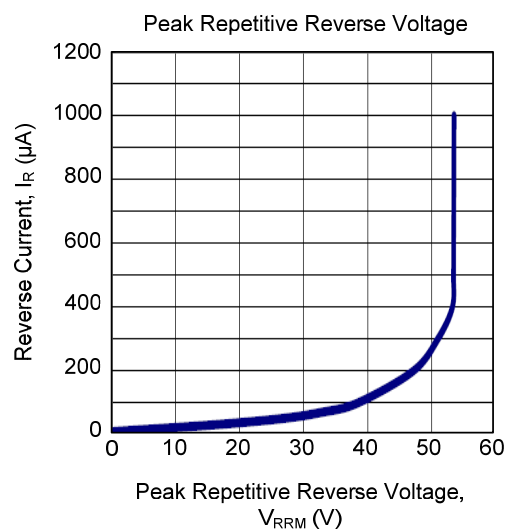
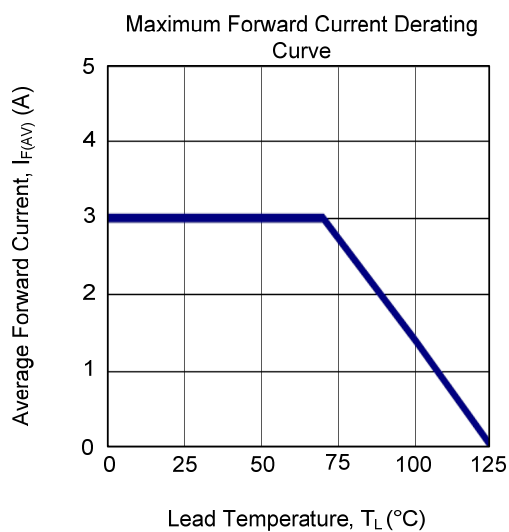
■ ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Instantaneous Forward Voltage (Note 1)	V _F	I _F =3A			0.50	V
DC Reverse Current at Rated DC Blocking Voltage (Note 2)	I _R	T _J =25°C			0.5	mA
		T _J =100°C			10	mA

Notes: 1. Pulse test with P_W=300μs, 1% duty cycle.

2. Pulse test with P_W=40ms.

■ TYPICAL CHARACTERISTICS



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