



ABS22 THRU ABS210

SCHOTTKY BRIDGE DIODE

2.0A SCHOTTKY BRIDGE RECTIFIER

DESCRIPTION

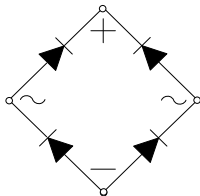
The UTC **ABS22 THRU ABS210** is a schottky bridge rectifier, it uses UTC's advanced technology to provide customers with high surge current capability and low forward voltage drop, etc.

The UTC **ABS22 THRU ABS210** is suitable for surface mount application.

FEATURES

- * Glass passivated die construction
- * Low forward voltage drop
- * High current capability
- * High surge current capability
- * Designed for surface mount application

SYMBOL

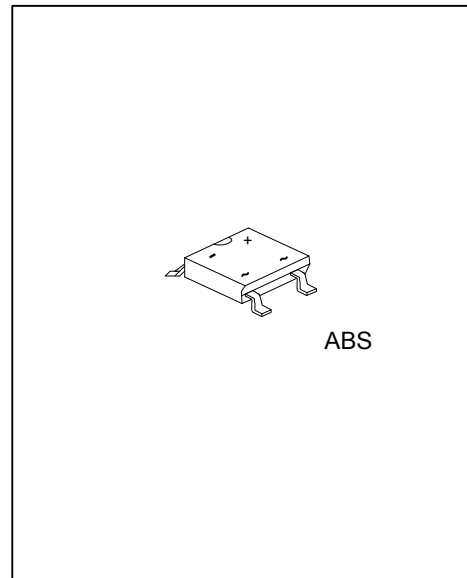
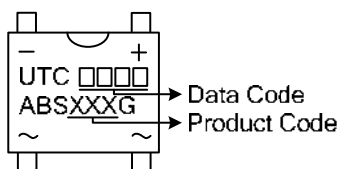


ORDERING INFORMATION

Ordering Number	Package	Packing
ABS22G-ABS-R	ABS	Tape Reel
ABS24G-ABS-R	ABS	Tape Reel
ABS26G-ABS-R	ABS	Tape Reel
ABS28G-ABS-R	ABS	Tape Reel
ABS210G-ABS-R	ABS	Tape Reel

<p>ABS22G-ABS-R</p> <p>(1) Packing Type</p> <p>(2) Package Type</p> <p>(3) Green Package</p>	<p>(1) R: Tape Reel</p> <p>(2) ABS: ABS</p> <p>(3) G: Halogen Free and Lead Free</p>
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MARKING



ABS22 THRU ABS210

SCHOTTKY BRIDGE DIODE

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

Single Phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

PARAMETER	SYMBOL	RATINGS					UNIT
		ABS22	ABS24	ABS26	ABS28	ABS210	
Peak Repetitive Reverse Voltage	V_{RRM}	200	400	600	800	1000	V
Working Peak Reverse Voltage	V_{RWM}	200	400	600	800	1000	V
DC Blocking Voltage	V_{DC}	200	400	600	800	1000	V
RMS Voltage	V_{RMS}	140	280	420	560	700	V
Average Rectified Output Current	I_O	2					A
Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Superimposed on Rated Load	I_{FSM}	60					A
Operating Junction Temperature Range	T_J	-55 ~ +150					$^{\circ}\text{C}$
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

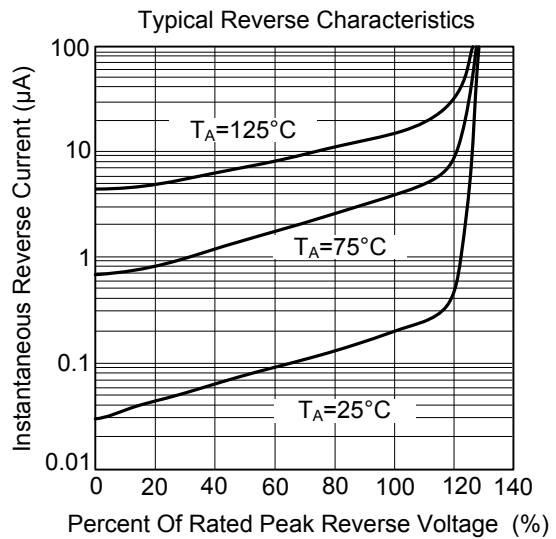
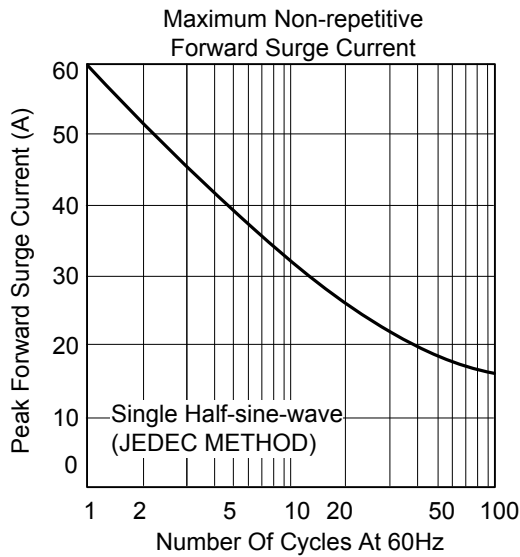
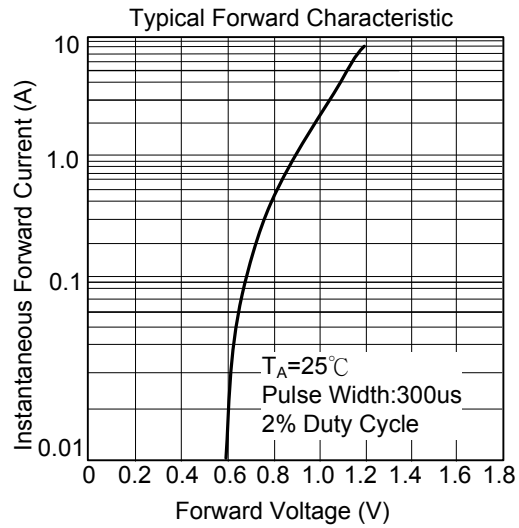
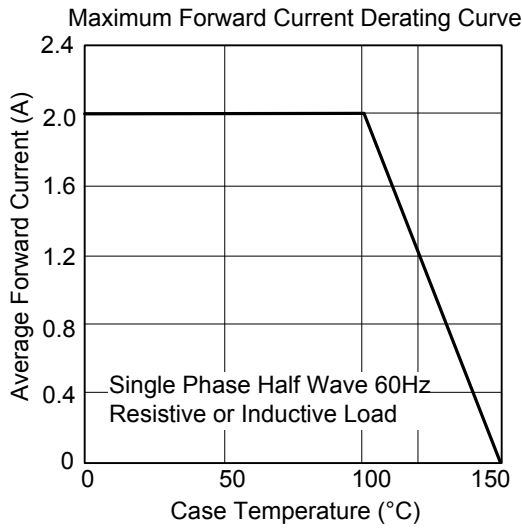
PARAMETER	SYMBOL	RATINGS	UNIT
Junction to Ambient	θ_{JA}	62.5	$^{\circ}\text{C}/\text{W}$

Note: Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

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

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage Per Element	V_F	$I_F=1.0\text{A}$			0.95	V
		$I_F=2.0\text{A}$			1.0	V
Peak Reverse Current at Rated DC Blocking Voltage	I_R	$T_A=25^{\circ}\text{C}$			5.0	μA
		$T_A=125^{\circ}\text{C}$			200	μA

■ TYPICAL CHARACTERISTICS



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