

UTC UNISONIC TECHNOLOGIES CO., LTD

SB340 Preliminary DIODE

SCHOTTKY RECTIFIER

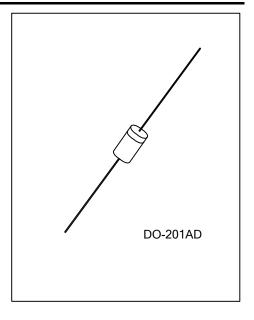
DESCRIPTION

The UTC SB340 is a Schottky Rectifier with high current capacity and low forward voltage.

The UTC SB340 is suitable for polarity protection, low voltage and high frequency inverters free wheeling applications

FEATURES

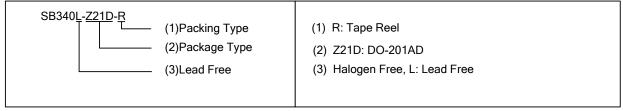
- * High Current Capability
- * Low Forward Voltage



ORDERING INFORMATION

Ordering Number		Dookogo	Pin Assignment		Dooking	
Lead Free	Halogen Free	Package	1	2	Packing	
SB340L-Z21D-R	SB340G-Z21D-R	DO-201AD	K	Α	Tape Reel	

Note: Pin Assignment: A: Anode, K: Cathode



www.unisonic.com.tw 1 of 2 QW-R601-043.a

■ ABSOLUTE MAXIMUM RATINGS (T_A =25°C unless otherwise specified.)(Note 2)

PARAMETER	SYMBOL	RATINGS	UNIT	
Maximum Repetitive Reverse Voltage	V_{RRM}	40	V	
Average Rectified Forward Current. 375 " lead length @ T _A = 75°C	I _{F(AV)}	3.0	А	
Non-repetitive Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave	I _{FSM}	80	А	
Power Dissipation	P_{D}	3.6	W	
Junction Temperature	T _J	+125	°C	
Storage Temperature	T _{STG}	-65 ~ +125	°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. These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

■ THERMAL DATA

PARAMETER	SYMBOL	RATINGS	UNIT
Junction to Ambient	θ_{JA}	40	°C/W

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise specified.)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage @ 3.0 A	V_{F}			500		mV
Reverse Current @ Rated V _R	I _R	T _A = 25°C		0.5		mA
		T _A = 100°C		20		mA
Maximum Full Load Reverse Current Full Cycle	I _{rr}	T _A = 100°C		30		mA
Total Capacitance	C_T	V _R = 4.0 V, f = 1.0 MHz		180		pF

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