

UNISONIC TECHNOLOGIES CO., LTD

SB260 DIODE

2.0A SCHOTTKY BARRIER RECTIFIER

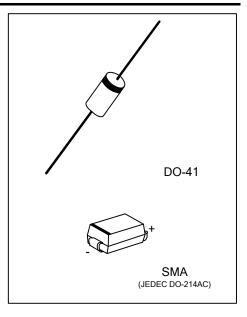
DESCRIPTION

The UTC SB260 is a 2.0A schottky barrier rectifier, it uses UTC's advanced technology to provide customers with low forward voltage drop, high current capability and high efficiency, etc.

The UTC SB260 is suitable for use in free wheeling, high frequency inverters, low voltage and polarity protection applications.

FEATURES

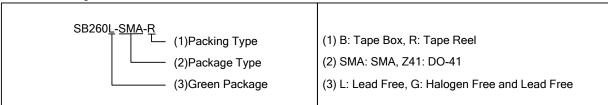
- * Low forward voltage drop
- * High current capability
- * High surge capability
- * Low power loss
- * High efficiency



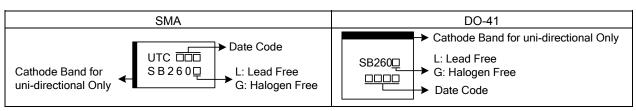
ORDERING INFORMATION

Ordering Number		Dookogo	Pin Assignment		Dooking	
Lead Free	Halogen Free	Package	1	2	Packing	
SB260L-SMA-R	SB260G-SMA-R	SMA	K	Α	Tape Reel	
SB260L-Z41-B	SB260G-Z41-B	DO-41	K	Α	Tape Box	
SB260L-Z41-R	SB260G-Z41-R	DO-41	K	Α	Tape Reel	

Note: Pin Assignment: A: Anode K: Cathode



MARKING



www.unisonic.com.tw 1 of 3 SB260 DIODE

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

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

For capacitance load, derate current by 20%.

PARAMETER	SYMBOL	RATINGS	UNIT
DC Blocking Voltage	V_R	60	V
Working Peak Reverse Voltage	V_{RWM}	60	V
Repetitive Peak Reverse Voltage	V_{RRM}	60	V
RMS Reverse Voltage	$V_{R(RMS)}$	42	V
Average Rectified Output Current (T _A =25°C) (Note 1)	lo	2.0	Α
Non-Repetitive Peak Forward Surge Current 8.3ms			
Single Half Sine-Wave Superimposed on Rated Load	I_{FSM}	50	Α
(JEDEC Method)			
Operating Junction Temperature	T_J	-55~+125	°C
Storage Temperature	T_{STG}	-55~+125	°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}	50	°C/W

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

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

For capacitance load, derate current by 20%.

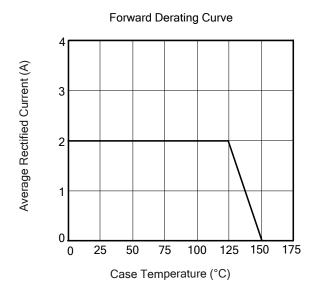
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage Drop	V_{FM}	I _F =2.0A			0.70	V
Peak Reverse Current at Rated DC Blocking Voltage	I_{RM}	T _A =25°C			0.5	mA
Junction Capacitance (Note 2)	CJ			190		pF

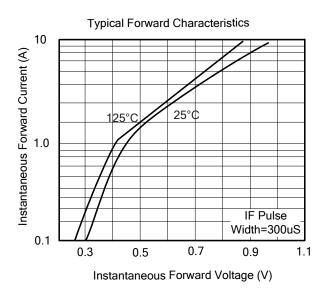
Notes: 1. Pulse width≤300µs, duty cycle≤2%.

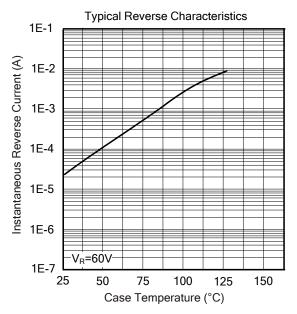
2. Measured at 1.0MHz and applied reverse voltage of 5.0V DC.

SB260 DIODE

■ TYPICAL CHARACTERISTICS







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