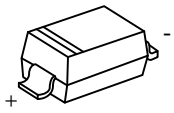
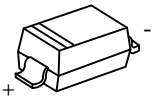
RB751V40

DIODE

SCHOTTKY DIODES



SOD-323



SOD-523

■ FEATURES

* Miniature surface mounting type
* Low forward voltage drop (V_F=0.37V Typ. at 1mA)
* Low reverse leakage current
* Fast switching speed

■ ORDERING INFORMATION

Order Number	Package	Pin Assignment		Packing
		1	2	
RB751V40G-CB2-R	SOD-323	A	K	Tape Reel
RB751V40G-CC2-R	SOD-523	A	K	Tape Reel

Note: Pin assignment: A: Anode K: Cathode

RB751V40G-CA2-R (1)Packing Type (2)Package Type (3)Green Package	(1) R: Tape Reel (2) CB2: SOD-323, CC2: SOD-523 (3) G: Halogen Free and Lead Free

■ MARKING

Copyright © 2015 Unisonic Technologies Co., Ltd

■ ABSOLUTE MAXIMUM RATINGS (Single Diode @ T_A=25°C, unless otherwise specified)

PARAMETER	SYMBOL	RATINGS	UNIT
Peak Reverse Voltage	V_{RM}	40	V
Maximum Reverse Voltage (DC)	V_R	30	V
Mean Rectifying Current	I_{OUT}	30	mA
Non-repetitive Peak Forward Surge Current	I_{FSM}	200	mA
Junction Temperature	T_J	+125	°C
Storage Temperature	T_{STG}	-40 ~ +125	°C

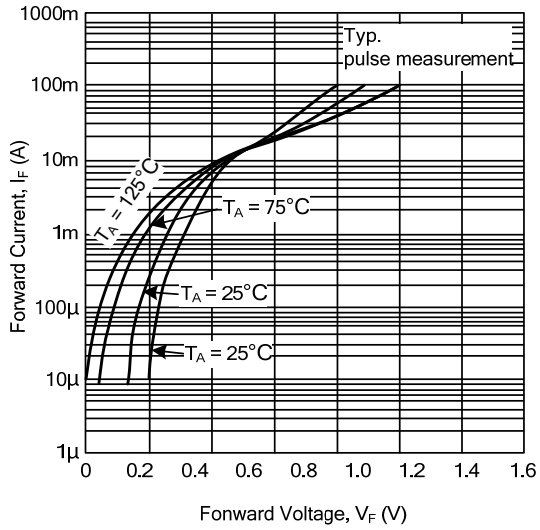
Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

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

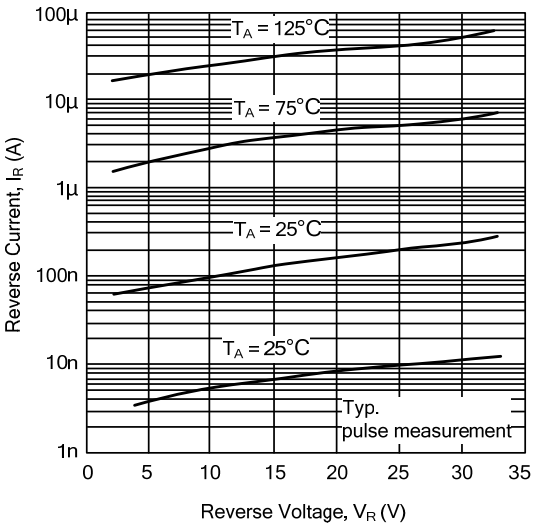
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	V_F	I_F= 1mA			0.37	V
Reverse Leakage Current	I_R	V_R=30V			0.5	μA
Capacitance Between Terminals	C_T	V_R=1V, f=1MHz		2		pF

■ TYPICAL CHARACTERISTICS

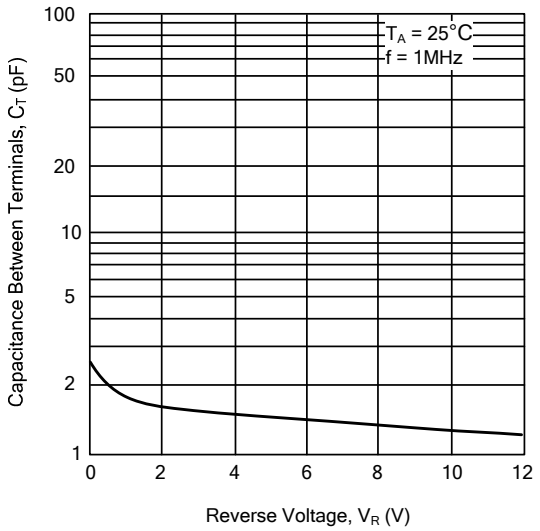
Forward Characteristics



Reverse Characteristics



Capacitance Between Terminals 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. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice.