



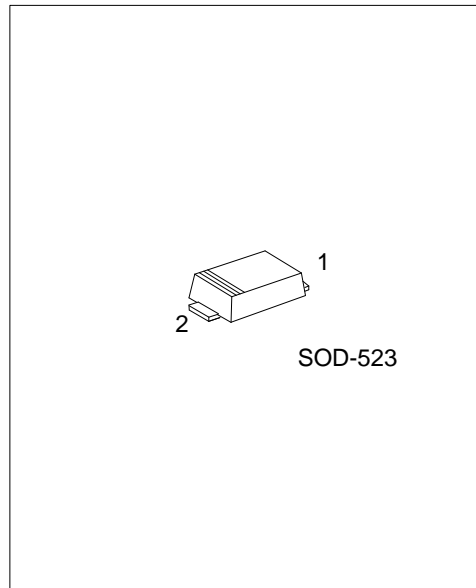
RB520S30

DIODE

SCHOTTKY BARRIER DIODE

FEATURES

- * Miniature surface mounting type
- * Low forward voltage drop ($V_F=0.50V$ Typ. at 200mA)
- * Low reverse leakage current ($I_R=0.1\mu A$ Typ. at 10V)
- * Fast switching speed



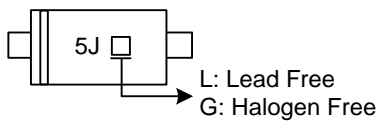
ORDERING INFORMATION

Ordering Number		Package	Pin Assignment		Packing
Lead Free	Halogen Free		1	2	
RB520S30L-CC2-R	RB520S30G-CC2-R	SOD-523	A	K	Tape Reel

Note: Pin Assignment: A: Anode K: Cathode

<p>RB520S30G-CC2-R</p> <ul style="list-style-type: none"> (1) Packing Type (2) Package Type (3) Green Package 	<ul style="list-style-type: none"> (1) R: Tape Reel (2) CC2 : SOD-523 (3) G: Halogen Free and Lead Free, L: Lead Free
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MARKING



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

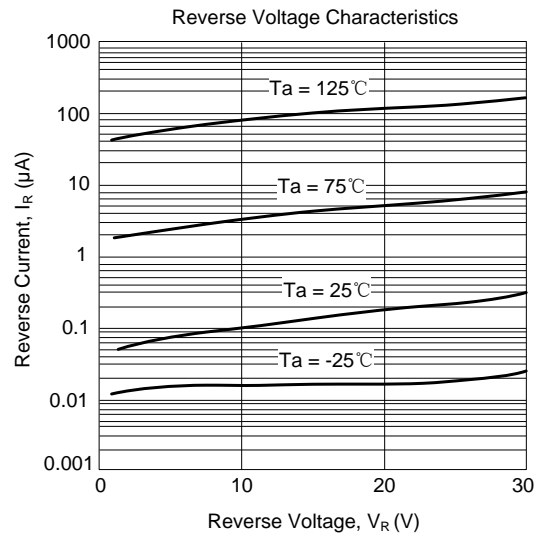
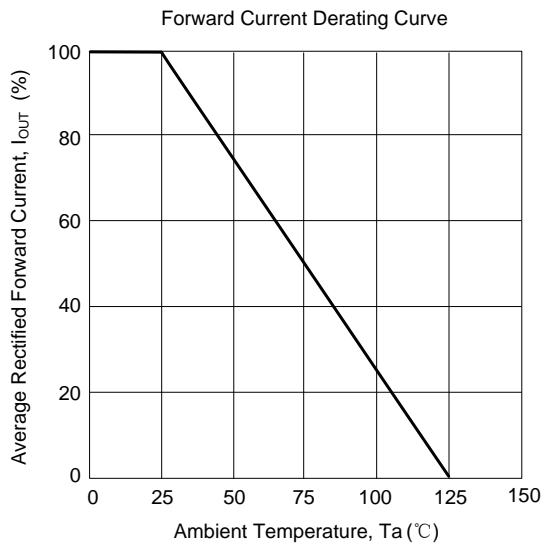
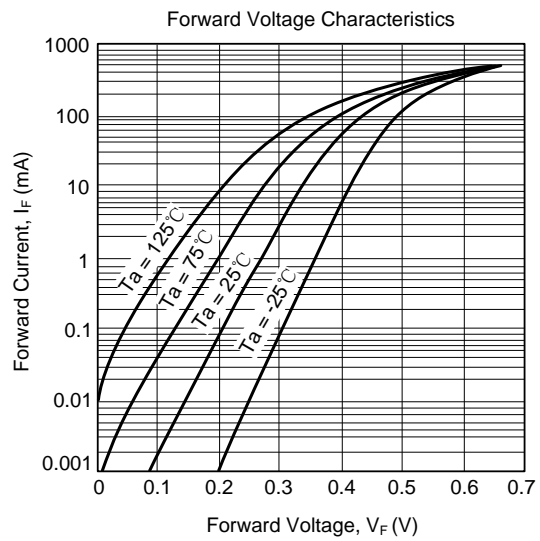
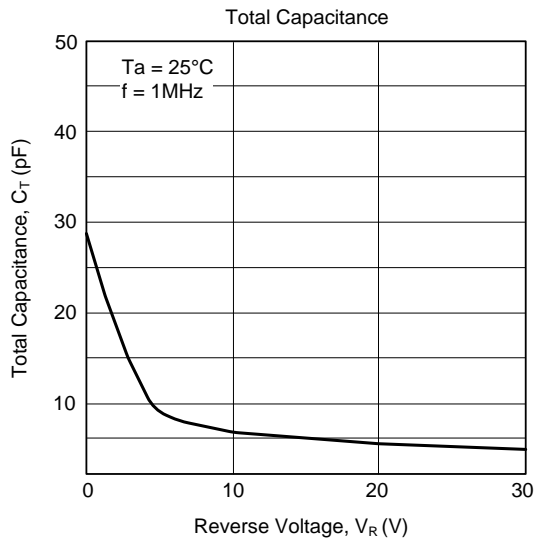
PARAMETER	SYMBOL	RATINGS	UNIT
Maximum Reverse Voltage (DC)	V_R	30	V
Average Rectified Forward Current	I_{OUT}	200	mA
Non-repetitive Peak Forward Surge Current	I_{FSM}	1	A
Junction Temperature	T_J	+125	$^{\circ}\text{C}$
Storage Temperature	T_{STG}	-40 ~ +125	$^{\circ}\text{C}$

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.

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

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage Drop	V_F	$I_F=200\text{mA}$			0.6	V
Reverse Leakage Current	I_R	$V_R=10\text{V}$			1	μA

■ TYPICAL 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. UTC reserves the right to make changes to information published in this document, including without limitation specifications and product descriptions, at any time and without notice. This document supersedes and replaces all information supplied prior to the publication hereof.