



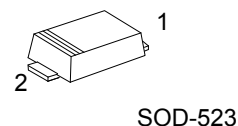
## RB521S30

DIODE

### SCHOTTKY BARRIER DIODES

#### ■ FEATURES

- \* Miniature Surface Mounting Type
- \* Low Forward Voltage Drop ( $V_F=0.40V$  Typ. at 200mA)
- \* Low Reverse Leakage Current
- \* Fast Switching Speed



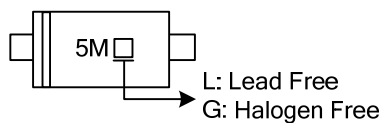
#### ■ ORDERING INFORMATION

Ordering Number		Package	Pin Assignment		Packing
Lead Free	Halogen Free		1	2	
RB521S30L-CC2-R	RB521S30G-CC2-R	SOD-523	A	K	Tape Reel

Note: Pin Assignment: A: Anode K: Cathode

RB521S30G-CC2-R	(1) Packing Type	(1) R: Tape Reel
	(2) Package Type	(2) CC2 : SOD-523
	(3) Green Package	(3) G: Halogen Free and Lead Free, L: Lead Free

#### ■ MARKING



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

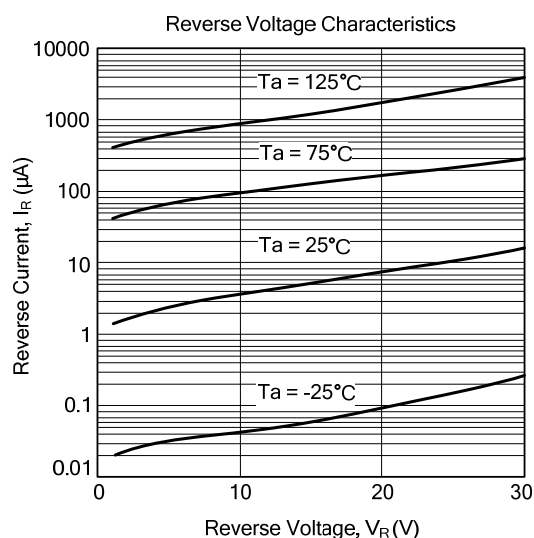
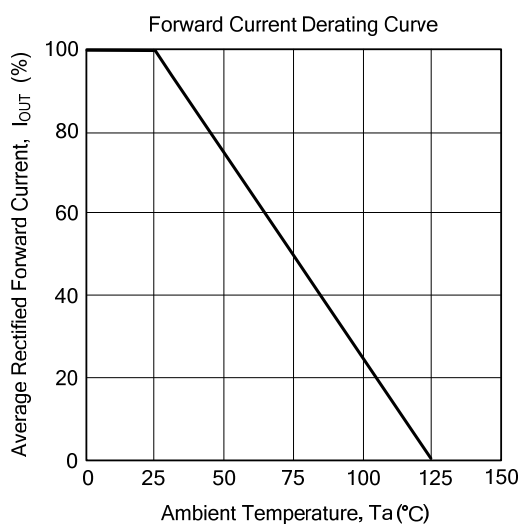
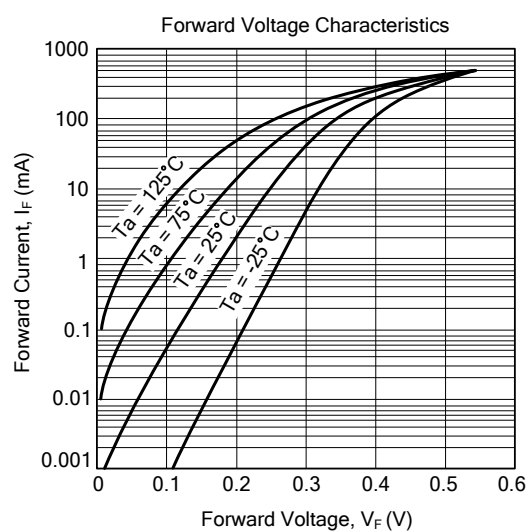
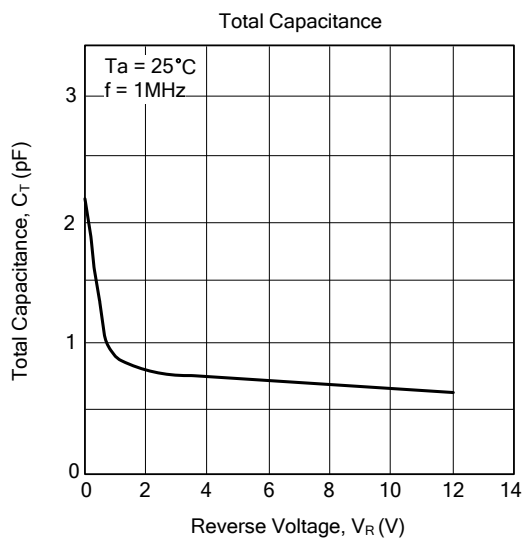
PARAMETER	SYMBOL	RATINGS	UNIT
Maximum Reverse Voltage (DC)	$V_R$	30	V
Average Rectified Forward Current	$I_{OUT}$	200	mA
Non-repetitive Peak Forward Surge Current	$I_{FSM}$	1	A
Junction Temperature	$T_J$	+125	$^{\circ}\text{C}$
Storage Temperature	$T_{STG}$	-40 ~ +125	$^{\circ}\text{C}$

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	$V_F$	$I_F=200\text{mA}$			0.5	V
Reverse Leakage Current	$I_R$	$V_R=10\text{V}$			30	$\mu\text{A}$

## ■ TYPICAL CHARACTERISTICS



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