



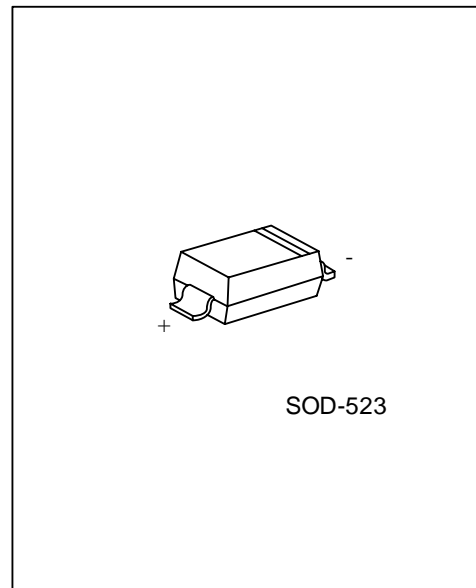
## RB520S30

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



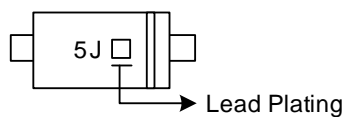
\*Pb-free plating product number: RB520S30L

#### ■ ORDERING INFORMATION

Order Number		Package	Packing
Normal	Lead Free Plating		
RB520S30-CC2-R	RB520S30L-CC2-R	SOD-523	Tape Reel

<p>RB520S30L-CC2-R</p> <p>(1)Packing Type (2)Package Type (3)Lead Plating</p>	<p>(1) R: Tape Reel (2) CC2: SOD-523 (3) L: Lead Free Plating Blank: Pb/Sn</p>
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#### ■ MARKING



■ ABSOLUTE MAXIMUM RATINGS (Single Diode @T<sub>A</sub>=25 °C)

PARAMETER	SYMBOL	RATINGS	UNIT
Maximum Reverse Voltage (DC)	V <sub>R</sub>	30	V
Average Rectified Forward Current	I <sub>OUT</sub>	200	mA
Non-repetitive Peak Forward Surge Current	I <sub>FSM</sub>	1	A
Junction Temperature	T <sub>J</sub>	+125	
Storage Temperature	T <sub>STG</sub>	-40 ~ +125	

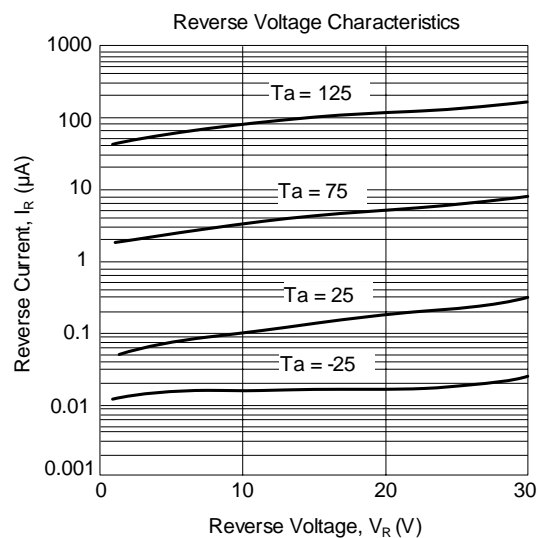
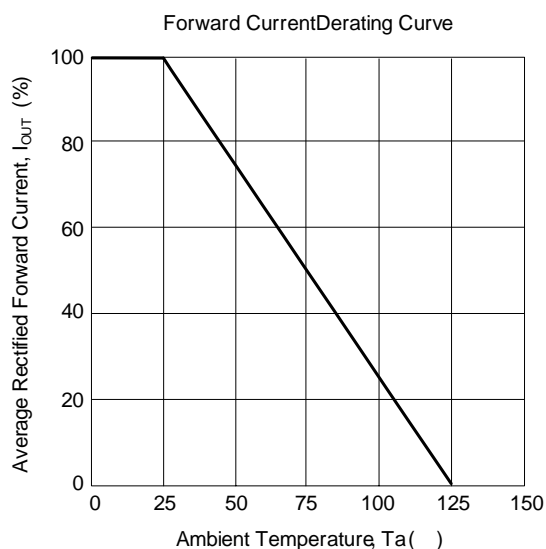
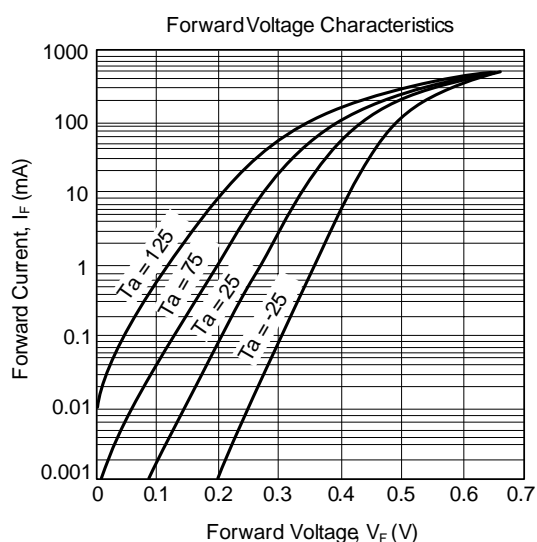
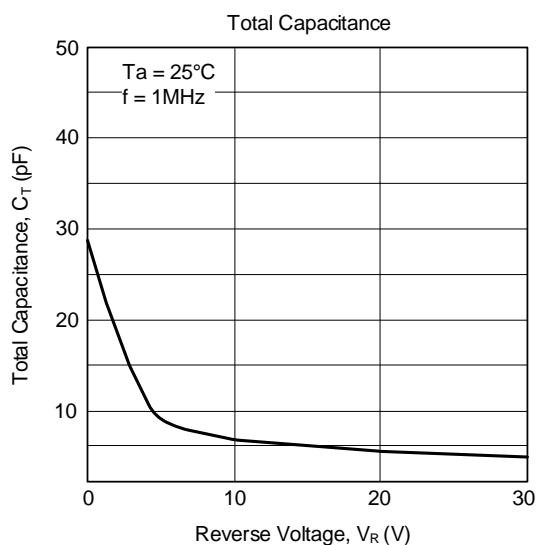
Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged.

Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ ELECTRICAL CHARACTERISTICS (T<sub>A</sub>=25 °C, unless otherwise specified)

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage Drop	V <sub>F</sub>	I <sub>F</sub> =200mA			0.6	V
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> =10V			1	μA

## ■ TYPICAL CHARACTERISTICS



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