



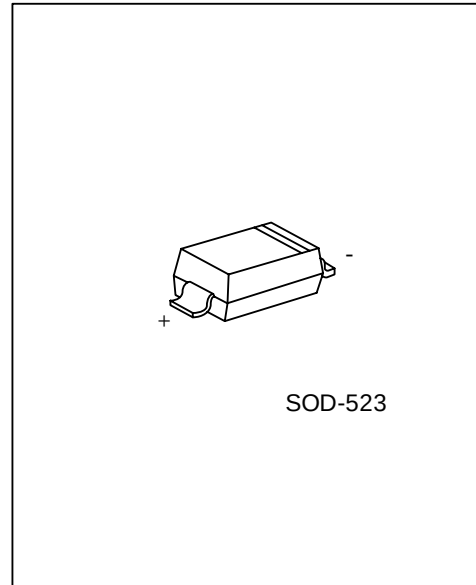
RB520S30

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



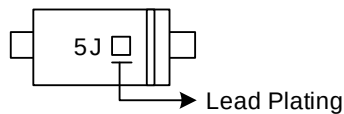
*Pb-free plating product number: RB520S30L

■ ORDERING INFORMATION

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

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



■ ABSOLUTE MAXIMUM RATINGS (Single Diode @T_A=25°C)

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	°C
Storage Temperature	T _{STG}	-40 ~ +125	°C

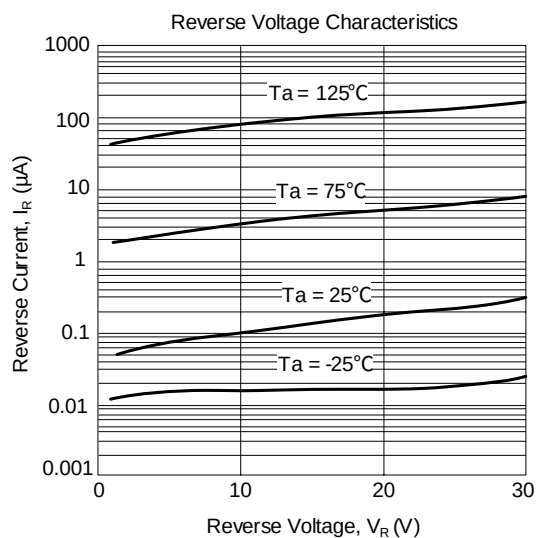
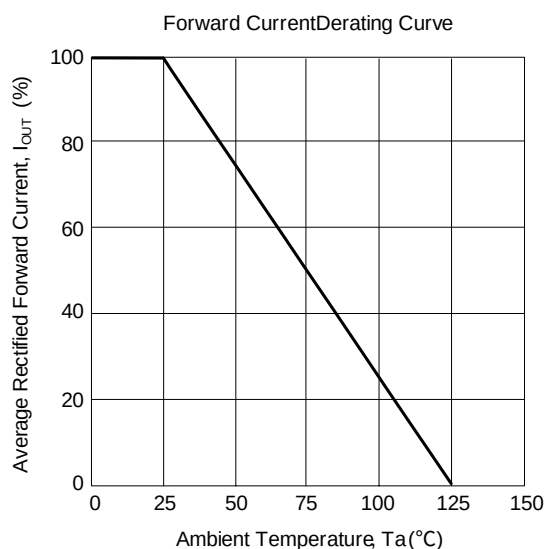
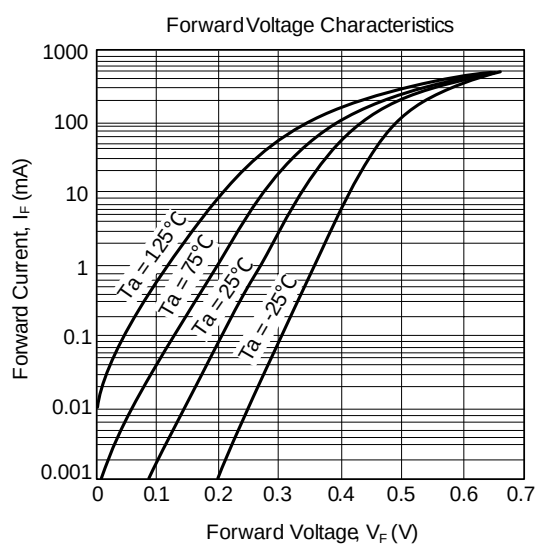
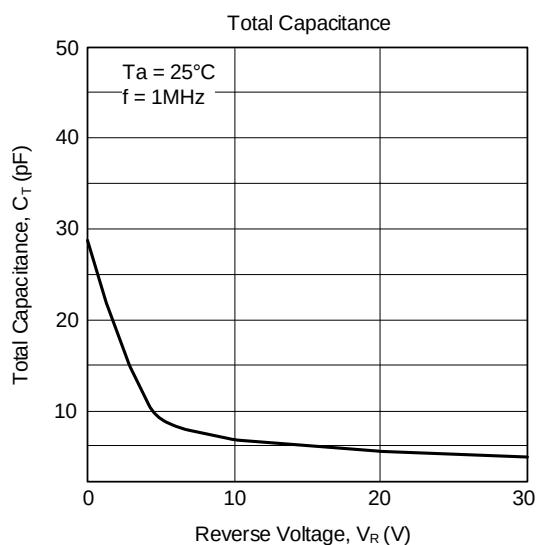
Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged.

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	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage Drop	V _F	I _F =200mA			0.6	V
Reverse Leakage Current	I _R	V _R =10V			1	μA

■ TYPICAL CHARACTERISTICS



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