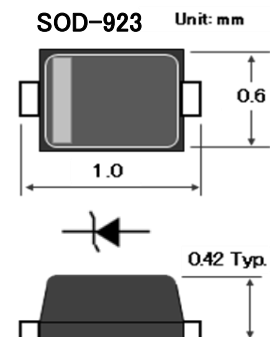


- ◇ Low current rectification
- ◇ Low reverse current
- ◇ **SOD-923** Micro SMD package
- ◇ RoHS compliant
- ◇ UL-94 V-0 / Green EMC
- ◇ Matte Tin Lead finish (Pb-Free)
- ◇ Cathode Band / Device marking

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Device Marking Code	
RB520CS-30	E



Absolute Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
VR	Reverse Voltage	30	V
VRRM	Repetitive Peak Reverse Voltage	30	V
IO	Continuous Forward Current	100	mA
IFSM	Non-Repetitive Peak Forward Current *1	0.6	A
TJ	Junction Temperature	125	°C
TSTG	Storage Temperature	-55 to +125	°C

*1 8.3 ms single half sine-wave

Electrical Characteristics (Ta = 25 °C)

Symbol	Parameter	Conditions	Min	TYP	Max	Units
VF	Forward Voltage	IF = 1mA		0.32	0.37	V
		IF = 10mA		0.40	0.45	V
		IF = 30mA		0.47	0.55	V
BVR	Breakdown Voltage	IR = 10 μA	30			V
IR	Reverse Current	VR = 10V			0.5	μA

Ordering Information

Device	Package	Shipping	Tape wide	Embos pitch	Tape specification	Notes
RB520CS-30	SOD-923	8,000 pcs / 7" Reel	8 mm	2 mm	Conductive	

Package Dimensions

