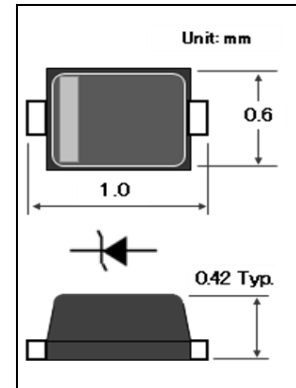


## Schottky Barrier Diode

- ◇ Low current rectification
- ◇ Low forward voltage
- ◇ SOD923 Micro SMD package (Fig-1)  
Dimensions: 1.0 mm x 0.6 mm (0.039" x 0.024")
- ◇ RoHS compliant
- ◇ UL-94 V-0 / Green EMC
- ◇ Matte Tin Lead finish (Pb-Free)
- ◇ Cathode Band / Device marking:

Device Marking Code	
RB521CS-30	F



Mark: refer to Device Marking

### Absolute Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
$V_{RRM}$	Repetitive Peak Reverse Voltage	30	V
$V_R$	Reverse Voltage	30	V
$I_O$	Continuous Forward Current	100	mA
$I_{FSM}$	Non-Repetitive Peak Forward Current *1	500	mA
$T_J$	Junction Temperature	125	°C
$T_{STG}$	Storage Temperature	-55 to +125	°C

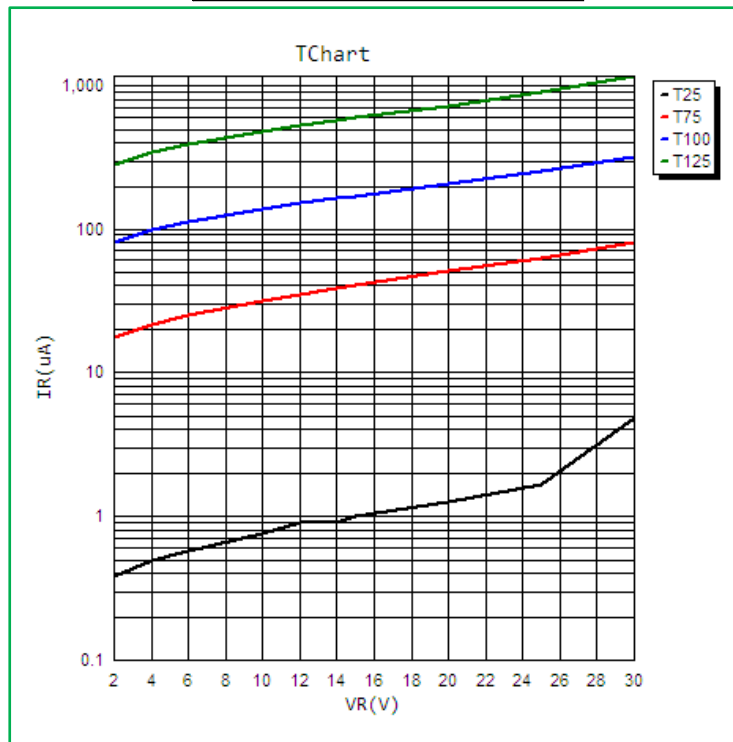
\*1: 8.3ms Single Half Sine-Wave

### Electrical Characteristics (Ta = 25 °C)

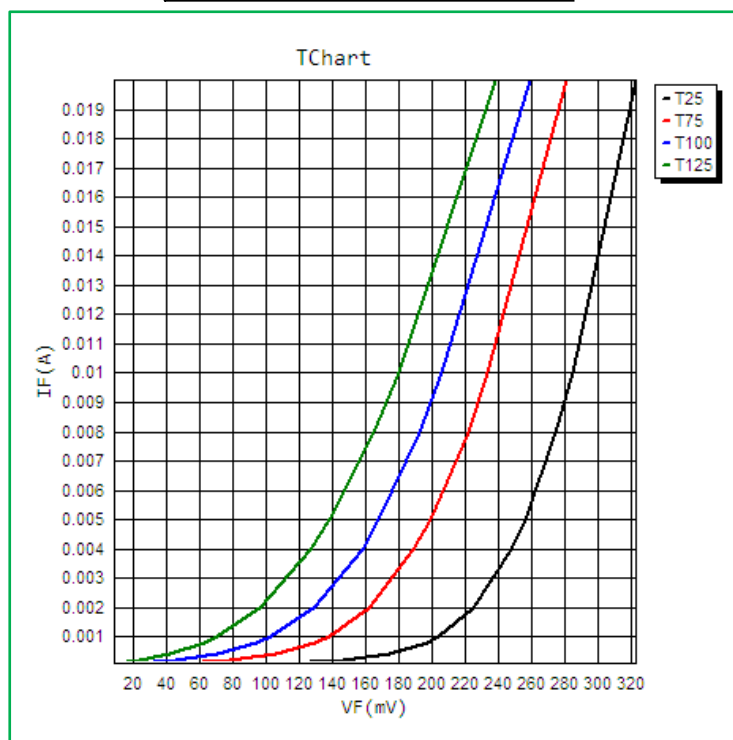
Symbol	Parameter	Conditions	Min	TYP	Max	Units
$V_F$	Forward Voltage	$I_F = 10mA$			0.35	V
		$I_F = 20mA$			0.40	V
$BV_R$	Breakdown Voltage	$I_R = 100 \mu A$	30			V
$I_R$	Reverse Current	$V_R = 10V$			10	$\mu A$
		$V_R = 30V$			50	$\mu A$

## Typical Characteristics

Forward Characteristics



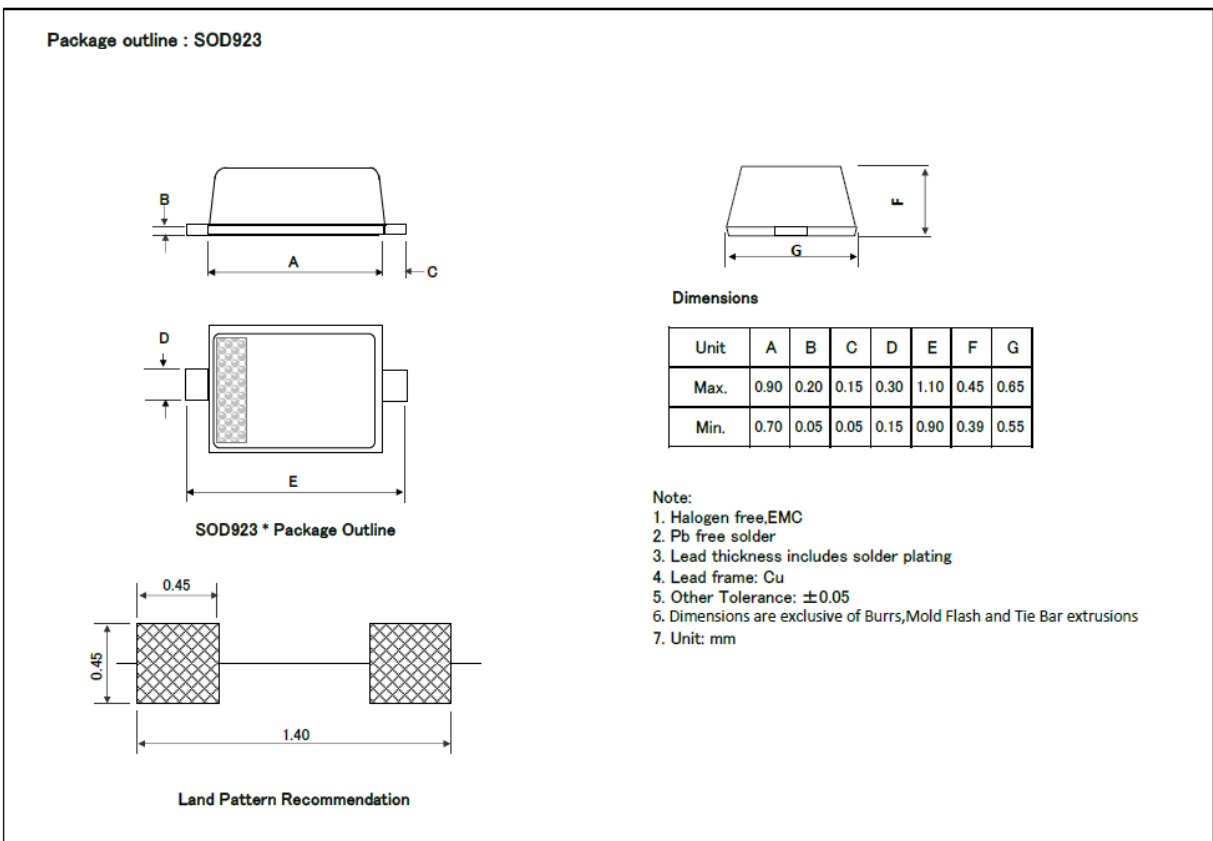
Reverse Characteristics



## Ordering Information

Device	Package	Shipping	Tape wide	Embos pitch	Tape specification	Notes
RB521CS-30	SOD923	8,000 pcs / 7" Reel	8 mm	2 mm	Conductive	

## Package Dimensions



单击下面可查看定价，库存，交付和生命周期等信息

[>>SHIKUES\(时科\)](#)