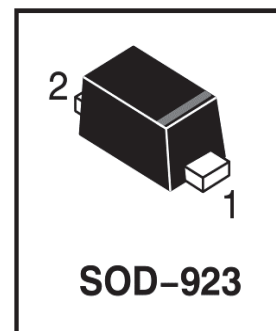


## 1. FEATURES

- Low current rectification
- Low VF
- High reliability.
- Silicon epitaxial planar



## 2. DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
SCS521CS-30T5	F \ C5	8000/Tape&Reel



## 3. MAXIMUM RATINGS(Ta = 25°C)

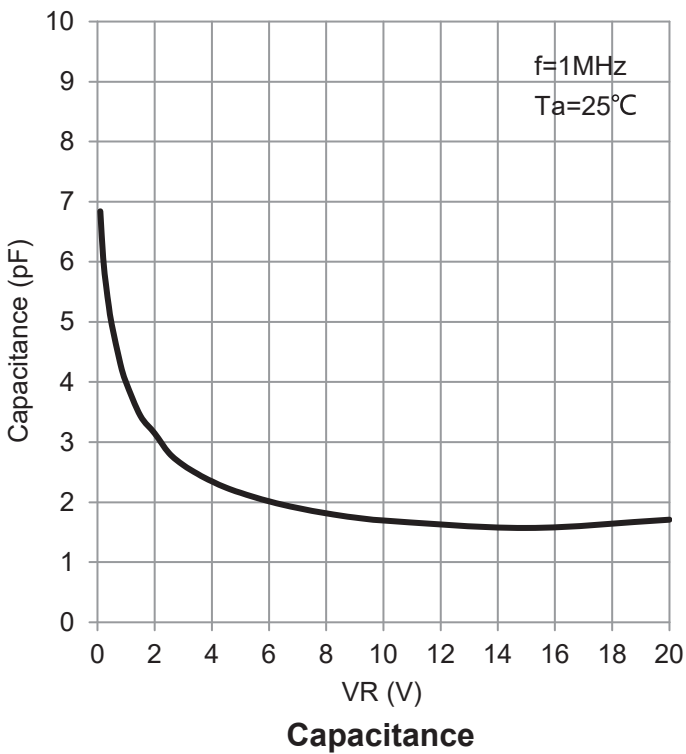
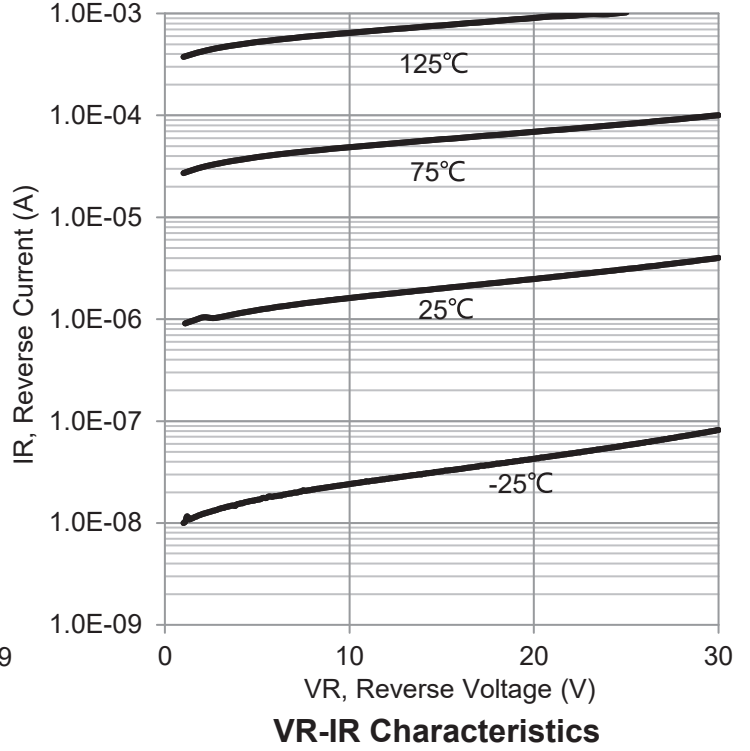
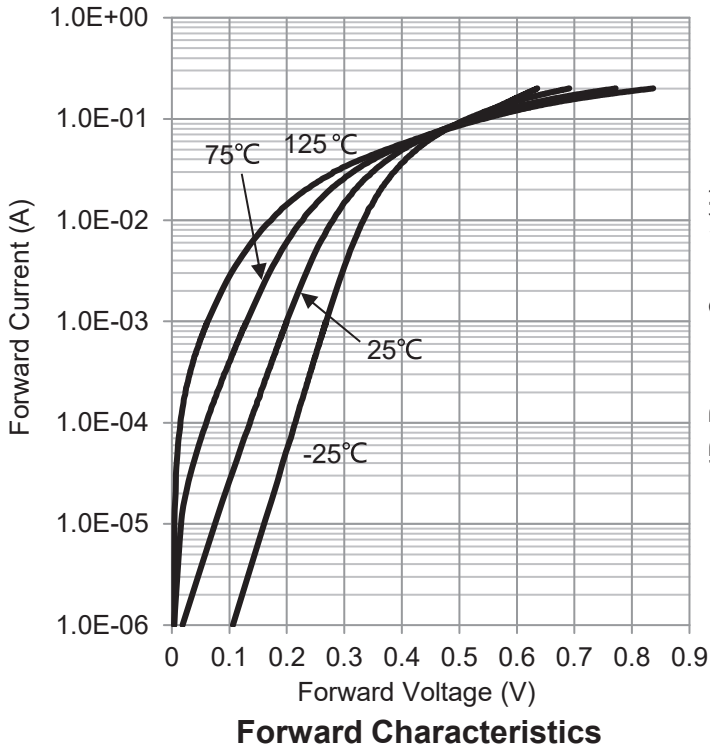
Parameter	Symbol	Limits	Unit
DC reverse voltage	VR	30	V
Average rectified forward current	IO	100	mA
Forward current surge peak(60Hz · 1cyc)	IFSM	500	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40~+125	°C

## 4. ELECTRICAL CHARACTERISTICS

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Forward voltage (IF =10mA)	VF	-	-	0.35	V
(IF =20mA)				0.4	
Reverse current (VR =10V)	IR	-	-	10	uA

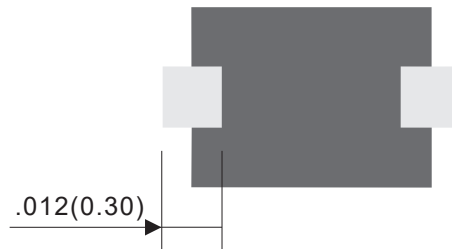
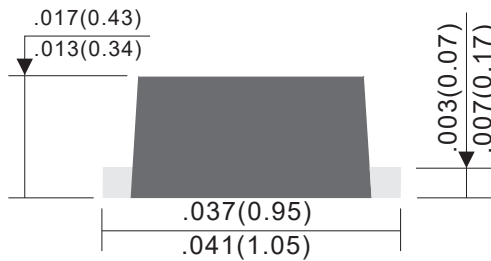
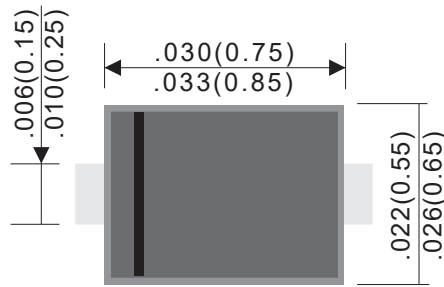


#### 5.ELECTRICAL CHARACTERISTICS CURVES



# Outline Drawing

# SOD-923



Dimensions in inches and (millimeters)

Rev.B



#### Ordering Information:

Device PN	Packing
SCS521CS-30T5 <sup>(1)</sup> H <sup>(2)</sup> -WS	Tape&Reel: 8 Kpcs/Reel

Note: (1) Packing code, Tape & Reel Packing

(2) Halogen free product for packing code suffix "H"

#### \*\*\*Disclaimer\*\*\*

WILLAS reserves the right to make changes without notice to any product specification herein, to make corrections, modifications, enhancements or other changes. WILLAS or anyone on its behalf assumes no responsibility or liability for any errors or inaccuracies. Data sheet specifications and its information contained are intended to provide a product description only. "Typical" parameters which may be included on WILLAS data sheets and/ or specifications can and do vary in different applications and actual performance may vary over time. WILLAS does not assume any liability arising out of the application or use of any product or circuit.

This is the preliminary specification. WILLAS products are not designed, intended or authorized for use in medical, life-saving implant or other applications intended for life-sustaining or other related applications where a failure or malfunction of component or circuitry may directly or indirectly cause injury or threaten a life without expressed written approval of WILLAS. Customers using or selling WILLAS components for use in such applications do so at their own risk and shall agree to fully indemnify WILLAS Inc and its subsidiaries harmless against all claims, damages and expenditures.