

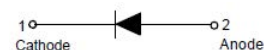
PRIMARY CHARACTERISTICS

V_R	30V
I_O	200mA
V_F	0.6V
$T_{J,Max}$	125°C

SOD-882

PACKAGE

Marking : L



FEATURES

- Low current rectification and high speed switching
- Extremely small surface mounting type.
- High reliability
- Low I_R
- Silicon epitaxial planar
- Moisture Sensitivity Level 1

MECHANICAL DATA

- Case : Molded plastic, SOD-882
- Polarity : Shown above
- Terminals : Plated terminals, solderable per MIL-STD-750, Method 2026
- Epoxy : UL94-V0 rated flame retardant

MAXIMUM RATINGS($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Limits	Unit
Reverse voltage(DC)	V_R	30	V
Average rectified forward current	I_O	200	mA
Peak forward surge current	I_{FSM}	500	mA
Junction temperature	T_j	125	°C
Storage Temperature Range	T_{STG}	-40~+125	°C

ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward voltage ($I_F = 200\text{mA}$)	V_F			0.6	V
Reverse current ($V_R = 10\text{V}$)	I_R			1	μA

ELECTRICAL CHARACTERISTICS CURVES

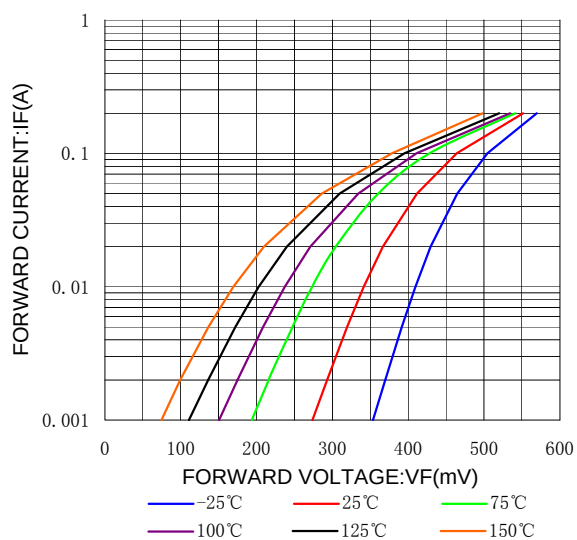


Fig.1 FORWARD CHARACTERISTICS

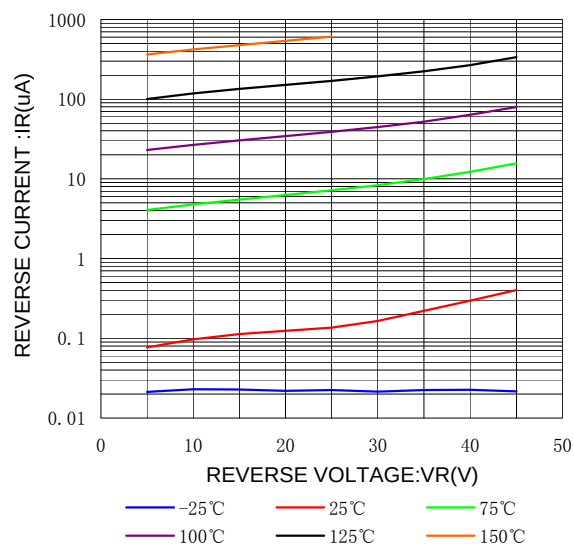


Fig.2 REVERSE CHARACTERISTICS

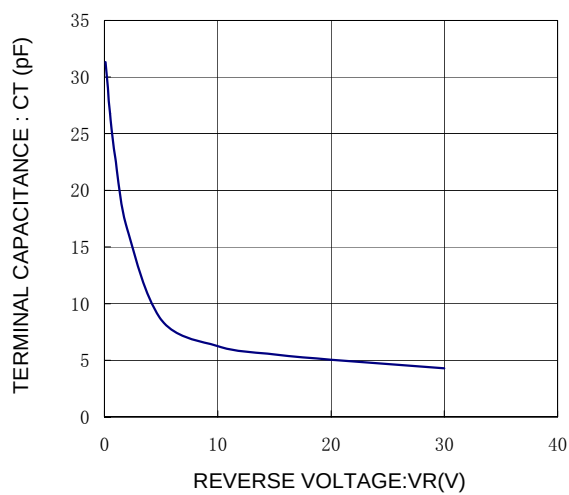
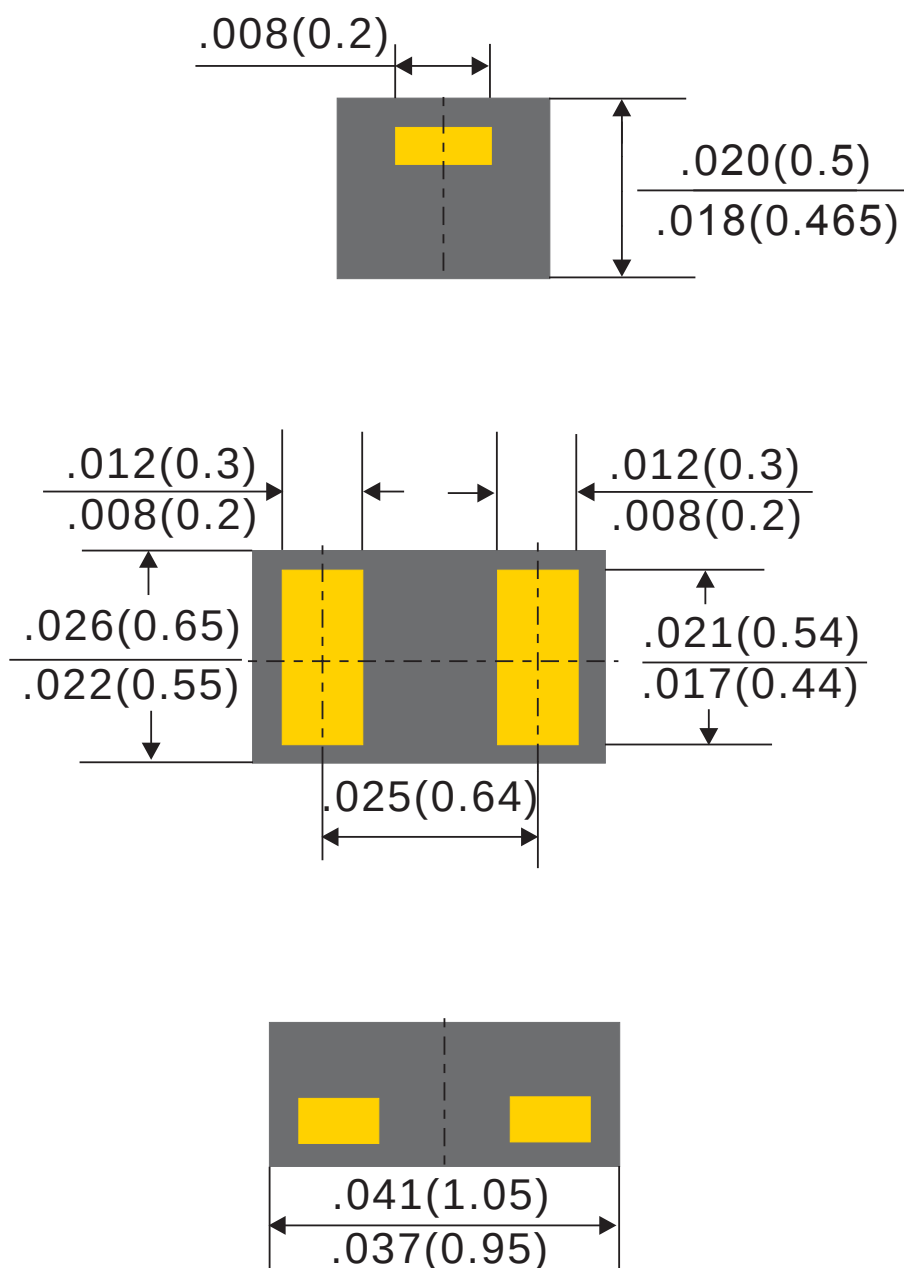


Fig.3 VR-CT CHARACTERISTICS

Outline Drawing

SOD-882



Dimensions in inches and (millimeters)

Rev.B

Ordering Information:

Device PN	Packing
SCS520BS-30T5 ⁽¹⁾ H ⁽²⁾ -WS	Tape&Reel: 10 Kpcs/Reel

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

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

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