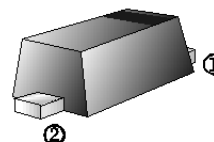


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Designed for Mounting on Small Surface
- High Speed
- High Mounting Capability, Strong Surge Withstand, High Reliability

SOD-323L



MECHANICAL DATE

- Case: SOD-323L Molded Plastic
- Terminals: Solder Plated, Solderable MIL-STD-750, Method 2026
- Polarity: Indicated by Cathode Band
- Mounting Position: Any

MARKING

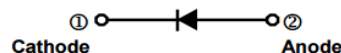
S5

S4

5D

PACKAGE INFORMATION

Package	MPQ	Leader Size
SOD-323L	3K	7 inch



ORDER INFORMATION

Part Number	Type
SCS355V-C	Lead (Pb)-free and Halogen-free

ABSOLUTE MAXIMUM RATINGS (T_A=25°C unless otherwise specified)

Parameter	Symbol	Ratings	Unit
Repetitive Peak Reverse Voltage	V _{RM}	90	V
Reverse Voltage	V _R	80	V
Continuous Forward Current	I _o	150	mA
Forward Current	I _{FM}	225	mA
Non-Repetitive Peak Forward Current @Pulse Width=1μs	I _{FSM}	500	mA
Maximum Power Dissipation	P _D	200	mW
Operating Temperature, Storage Temperature	T _J , T _{STG}	150, -55~150	°C

ELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Breakdown Voltage	V_{BR}	80	-	-	V	$I_R=100\mu\text{A}$
Forward Voltage	V_F	-	-	1.2	V	$I_F=100\text{mA}$
Reverse Voltage Leakage Current	I_R	-	-	0.1	μA	$V_R=80\text{V}$
Capacitance Between Terminals	C_T	-	3	-	pF	$V_R=0.5\text{V}$, $f=1\text{MHz}$
Reverse Recovery Time	T_{RR}	-	4	-	nS	$I_F=I_R=10\text{mA}$, $R_L=100\Omega$ $I_{RR}=0.1 \cdot I_R$

CHARACTERISTIC CURVES

Fig.1 Forward Current (I_F) vs Forward Voltage (V_F)

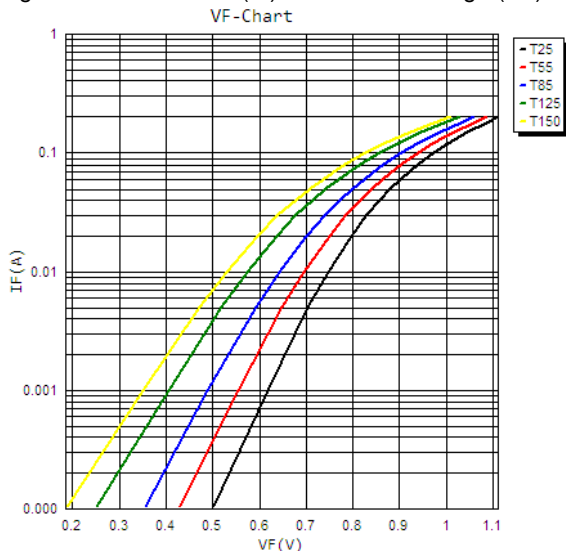


Fig.2 Reverse Current (I_R) vs Reverse Voltage (V_R)

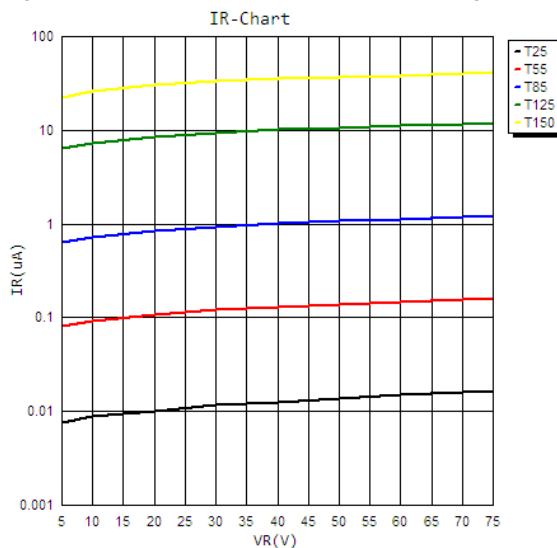


Fig.3 Power Derating Curve

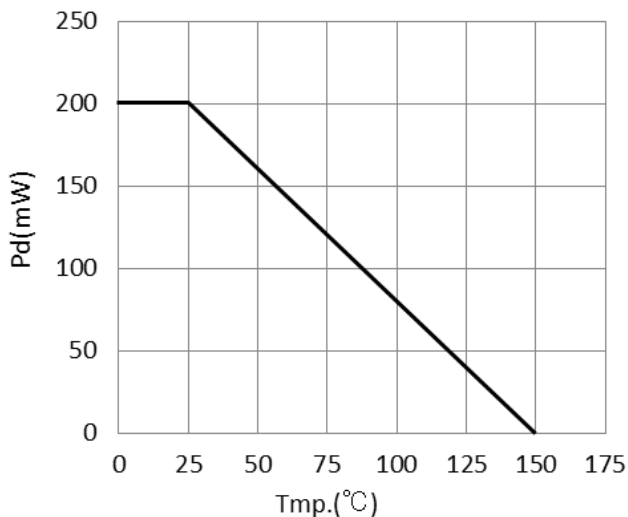
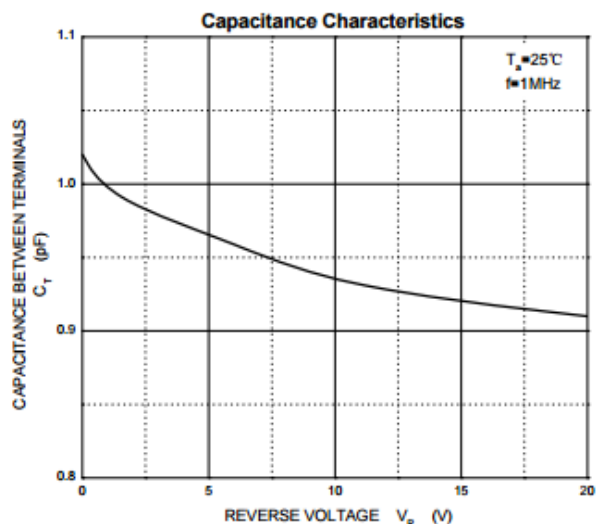
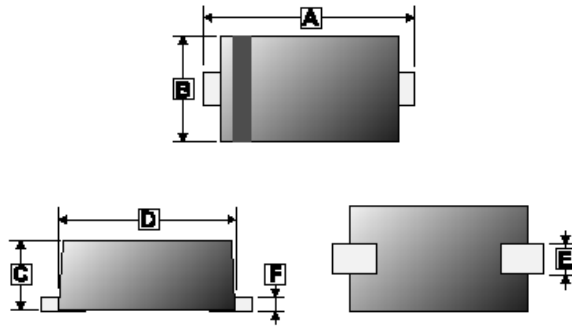


Fig.4 Capacitance vs Reverse Voltage (V_R)



PACKAGE OUTLINE DIMENSIONS

SOD-323L



REF.	Millimeter	
	Min.	Max.
A	2.30	2.80
B	1.05	1.60
C	0.60	1.08
D	1.60	2.10
E	0.25	0.70
F	0.05	0.25

MOUNTING PAD LAYOUT

SOD-323L

