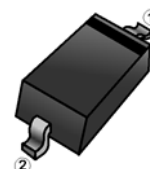


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Low Current Rectifier Schottky Diode
- Low Voltage, Low Inductance
- For Power Supply

SOD-323



MARKING

JV

5

C9

PACKAGE INFORMATION

Package	MPQ	Leader Size
SOD-323	3K	7 inch



ORDER INFORMATION

Part Number	Type
SCS751V-40-C	Lead (Pb)-free and Halogen-free

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

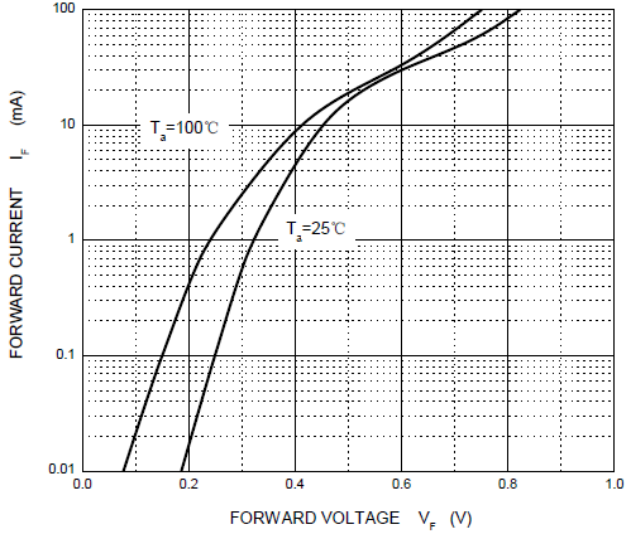
Parameter	Symbol	Ratings	Unit
Peak Repetitive Peak Reverse Voltage	V _{RRM}	40	V
DC Reverse Voltage	V _R	40	
Average Rectified Output Current	I _O	30	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	I _{FSM}	0.2	A
Power Dissipation	P _D	200	mW
Operating Junction Temperature	T _J	125	°C
Storage Temperature Range	T _{STG}	-55~125	

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise specified)

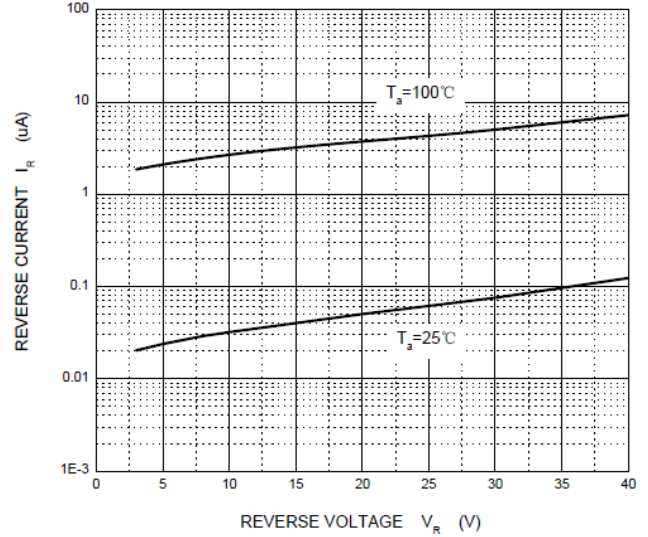
Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Forward Voltage	V _F	-	-	0.37	V	I _F =1mA
Reverse Leakage Current	I _R	-	-	0.5	μA	V _R =30V
Total Capacitance	C _T	-	2	-	pF	V _R =1V, f=1MHz

CHARACTERISTIC CURVES

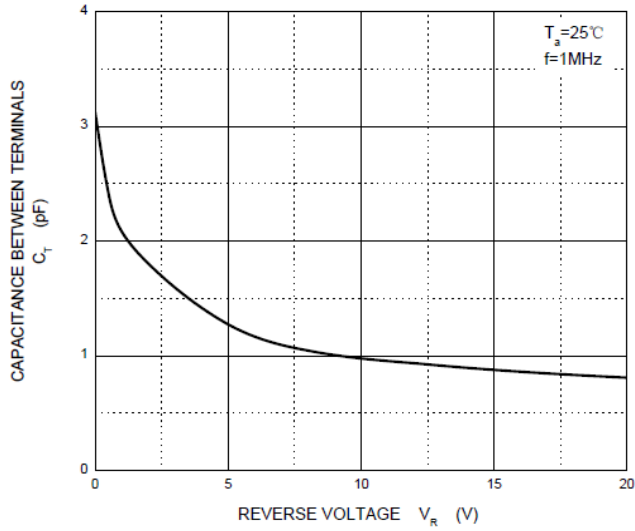
Forward Characteristics



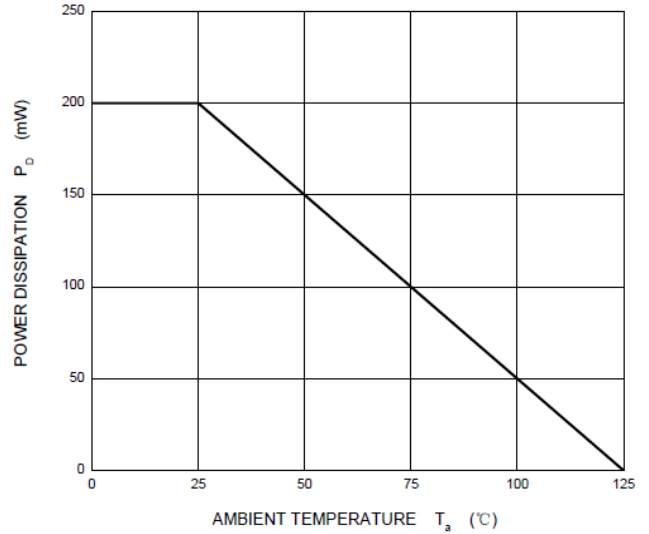
Reverse Characteristics



Capacitance Characteristics

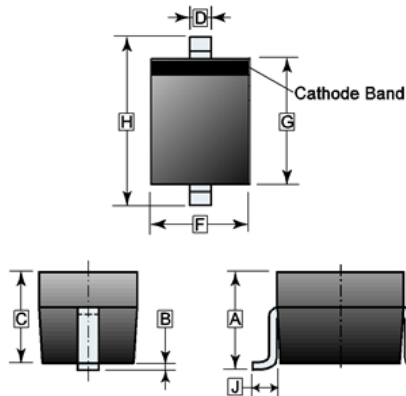


Power Derating Curve



PACKAGE OUTLINE DIMENSIONS

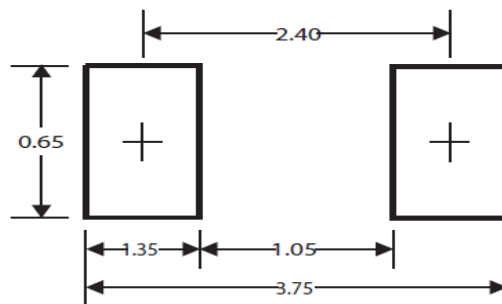
SOD-323



REF.	Millimeter	
	Min.	Max.
A	1.05 REF.	
B	0.07 REF.	
C	0.80	1.10
D	0.25	0.40
E	0.05	0.25
F	1.10	1.50
G	1.50	1.95
H	2.30	2.80
J	0.475 REF.	

MOUNTING PAD LAYOUT

SOD-323



*Dimensions in millimeters