

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

## DESCRIPTION

The SCS411D is designed for low power rectification.

## PACKAGE INFORMATION

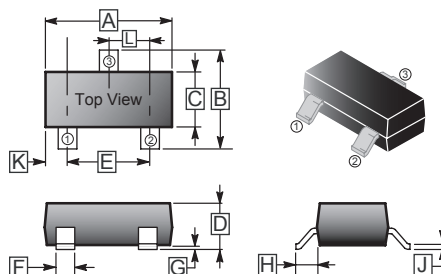
Mass: 0.0123 g (approx.)

## MARKING CODE

05T



## SC-59



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.70	3.10	G	0.10 REF.	
B	2.25	3.00	H	0.40 REF.	
C	1.30	1.70	J	0.10	0.20
D	1.00	1.40	K	0.45	0.55
E	1.70	2.30	L	0.85	1.15
F	0.35	0.50			

## ABSOLUTE MAXIMUM RATINGS (at $T_A = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Ratings	Unit
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	40	V
Maximum RMS Voltage	$V_{RMS}$	28	V
Maximum DC Blocking Voltage	$V_{DC}$	20	V
Peak Forward Surge Current at 8.3 m Sec single half sine-wave	$I_{FSM}$	3.0	A
Typical Junction Capacitance between Terminal	$C_J$	20	pF
Total Power Dissipation	$P_D$	225	mW
Maximum Average Forward Rectified Current	$I_O$	0.5	A
Junction, Storage Temperature	$T_J, T_{STG}$	+125, -40 ~ +125	$^\circ\text{C}$

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

Parameters	Symbol	Typ.	Unit	Test
Maximum Instantaneous Forward Voltage	$V_{F(1)}$	0.3	V	$I_F = 10\text{mA}$
Maximum Instantaneous Forward Voltage	$V_{F(2)}$	0.5	V	$I_F = 500\text{mA}$
Maximum Average Reverse Current	$I_R$	30	$\mu\text{A}$	$V_R = 10\text{V}$

**RATINGS AND CHARACTERISTIC CURVES**

