

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

## DESCRIPTION

The SCS400D is high frequency rectification for switching power supply.

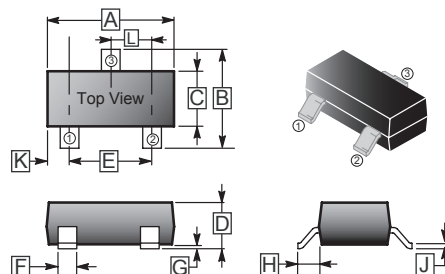
**SC-59**

## PACKAGE INFORMATION

Mass: 0.0123 g (approx.)

## MARKING CODE

05F



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 $T_A = 25^\circ\text{C}$

Parameter	Symbol	Ratings	Unit
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	40	V
Maximum RMS Voltage	$V_{RMS}$	28	V
Maximum DC Blocking Voltage	$V_{DC}$	40	V
Peak Forward Surge Current at 8.3 m Sec single half sine-wave	$I_{FSM}$	3.0	A
Typical Junction Capacitance between Terminal (Note 1)	$C_J$	20	pF
Maximum Average Forward Rectified Current	$P_D$	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	Min.	Max.	Unit	Test Conditions
Reverse Breakdown Voltage	$V_{(BR)R}$	40	-	V	$I_R = 100\mu\text{A}$
Forward voltage	$V_F$	-	550	mV	$I_F = 500\text{mA}$
Reverse current	$I_R$	-	30	$\mu\text{A}$	$V_{R1} = 10\text{V}$
		-	50		$V_{R2} = 30\text{V}$

Notes: 1. Measured at 1.0 MHz and applied reverse voltage of 10 V.  
2. ESD sensitive product handling required.

**RATINGS AND CHARACTERISTIC CURVES**

