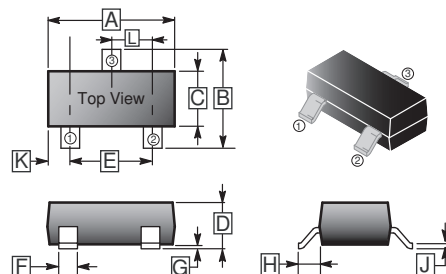


RoHS Compliant Product  
A suffix of "-C" specifies halogen & lead-free

## DESCRIPTION

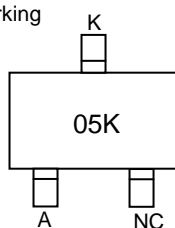
The SCS402D is high frequency rectification for switching power supply

## SC-59

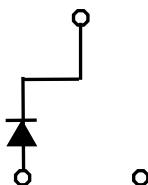


## MARKING CODE

Marking



Circuit



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<sub>A</sub> = 25°C

PARAMETER	SYMBOL	RATINGS	UNIT
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	30	V
Maximum RMS Voltage	V <sub>RMS</sub>	21	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	30	V
Peak Forward Surge Current at 8.3 m Sec single half sine-wave	I <sub>FSM</sub>	3.0	A
Typical Junction Capacitance between Terminal <sup>1</sup>	C <sub>J</sub>	40	pF
Maximum Average Forward Rectified Current	I <sub>O</sub>	0.3	A
Total Power Dissipation	P <sub>D</sub>	225	mW
Junction, Storage Temperature	T <sub>J</sub> , T <sub>STG</sub>	125, -55~125	°C

## ELECTRICAL CHARACTERISTICS (at T<sub>A</sub> = 25°C unless otherwise specified)

PARAMETERS	SYMBOL	MIN.	MAX.	UNIT	TEST CONDITIONS
Reverse Breakdown Voltage	V <sub>(BR)R</sub>	30	-	V	I <sub>R</sub> = 100μA
Maximum Instantaneous Forward Voltage	V <sub>F</sub>	-	500	mV	I <sub>F</sub> = 300mA
Maximum Average Reverse Current	I <sub>R</sub>	-	50	μA	V <sub>R1</sub> = 10V
			100	μA	V <sub>R2</sub> = 30V

Note: 1. Measured at 1.0MHz and 0 reverse bias voltage.  
2. ESD sensitive product handling required.

**RATINGS AND CHARACTERISTIC CURVES**

