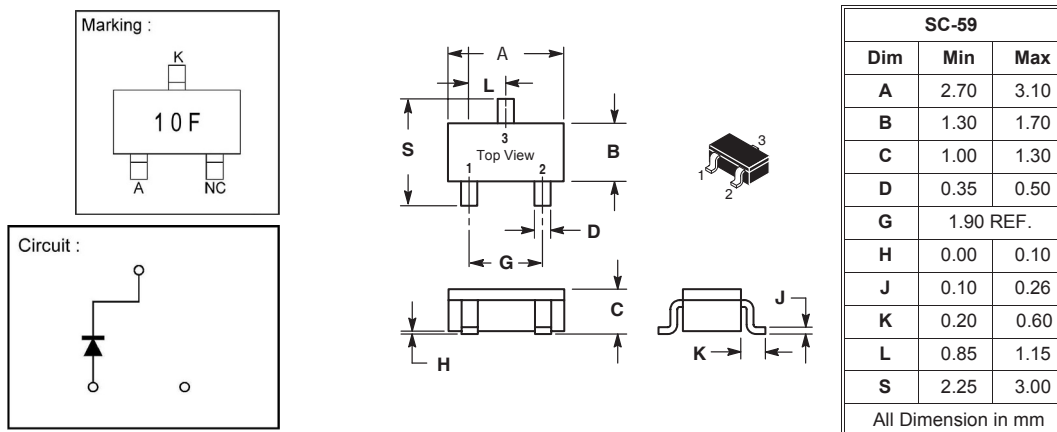


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

DESCRIPTION

The SCS490D is low power rectification for switching power supply.

PACKAGE DIMENSIONS



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	30	pF
Maximum Average Forward Rectified Current	P_D	225	mW
Maximum Average Forward Rectified Current	I_O	1	A
Junction, Storage Temperature	T_J, T_{STG}	+125, -55 ~ +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	-	0.53	V	$I_F = 1\text{A}$
Reverse current	I_R	-	100	μA	$V_R = 30\text{V}$

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

RATINGS AND CHARACTERISTIC CURVES

