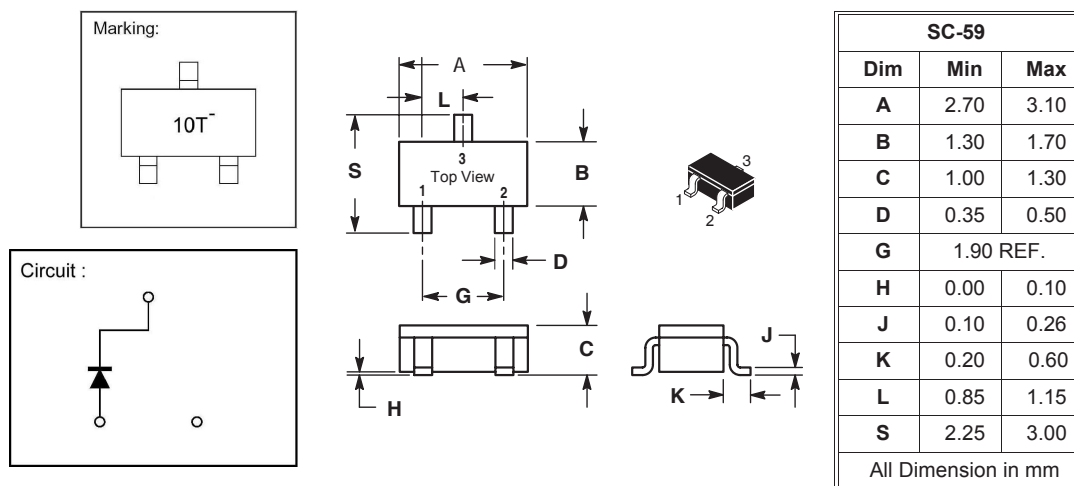


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

DESCRIPTION

The SCS491D is designed for low power rectification

PACKAGE DIMENSIONS



ABSOLUTE MAXIMUM RATINGS at $T_A = 25^\circ\text{C}$

Parameter	Symbol	Ratings	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	25	V
Maximum RMS Voltage	V_{RMS}	18	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 (Note 1)	C_J	30	pF
Maximum Average Forward Rectified Current	P_D	225	mW
Maximum Average Forward Rectified Current	I_O	1.0	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	$V_{(BR)R}$	25	-	V	$I_R = 100\mu\text{A}$
Maximum Instantaneous Forward Voltage	V_F	-	0.45	V	$I_F = 1\text{A}$
Maximum Average Reverse Current	I_R	-	200	μA	$V_R = 20\text{V}$

RATINGS AND CHARACTERISTIC CURVES

