

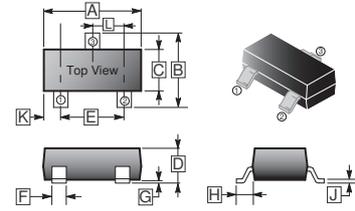
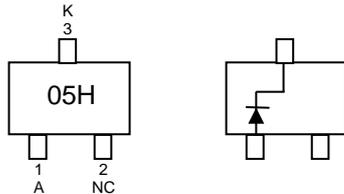
RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

SOT-323

DESCRIPTION

The SCS401SDF is high frequency rectification for switching power supply.

MARKING: 05H



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	1.80	2.20	G	0.100 REF.	
B	1.80	2.45	H	0.525 REF.	
C	1.15	1.35	J	0.08	0.25
D	0.80	1.10	K	-	-
E	1.20	1.40	L	0.650 TYP.	
F	0.20	0.40			

MAXIMUM RATINGS (T_A=25°C unless otherwise specified.)

PARAMETER	SYMBOL	VALUE	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	30	V
Maximum RMS Voltage	V _{RMS}	21	V
Maximum DC Blocking Voltage	V _{DC}	30	V
Peak Forward Surge Current at 8.3mSec Single Half Sine-Wave	I _{FSM}	3.0	A
Typical Junction Capacitance between Terminal ¹	C _J	40	pF
Maximum Average Forward Rectified Current	I _O	0.2	A
Total Power Dissipation	P _D	225	mW
Junction & Storage Temperature	T _J , T _{STG}	125, -55~125	°C

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise specified.)

PARAMETER	SYMBOL	MIN	MAX	UNIT	TEST CONDITION
Reverse Breakdown Voltage	V _{(BR)R}	30	-	V	I _R =100μA
Maximum Instantaneous Forward Voltage	V _F	-	500	mV	I _F =200mA
Maximum Average Reverse Current	I _R	-	50	μA	V _{R1} =10V
		-	100	μA	V _{R2} =30V

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

CHARACTERISTIC CURVES

