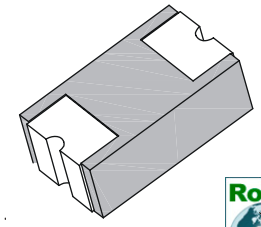
2.0A Low Profile Chip Schottky Rectifier



C2010 (SMA)

RoHS Compliant

Features

- Low Profile Package, Build-in Strain Relief
- Low Power Loss , High Efficiency
- High Surge Current Capability
- Super Very Low Forward Voltage
- Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- RoHS Compliant

Mechanical Data

Case:	Packed with FRP substrate and epoxy underfilled
Terminals:	Pure Tin plated, solderable per MIL-STD-750, Method 2026
Polarity:	Laser cathode band marking
Weight:	0.02 gram

Maximum Ratings *(T Ambient=25ºC unless noted otherwise)*

Symbols	Description	TSCDA22	TSCDA24	TSCDA26	TSCDA210	Unit
	Marking Code	S22	S24	S26	S210	
V_{RRM}	Max. recurrent peak reverse voltage	20	40	60	100	V
V_{RMS}	Max. RMS voltage	14	28	42	70	V
V_{DC}	Max. DC blocking voltage	20	40	60	100	V
$I_{O(AV)}$	Max. average forward rectified current (FIG.1)	2.0				A
I_{FSM}	Peak forward surge current (Note1)	50				A
V_F	Max. instantaneous forward voltage at 2.0A (Note2)	0.50		0.70	0.85	V
I_R	Max. DC reverse current at rated DC blocking voltage @Ta=25°C	0.2				mA
$R_{\theta JL}$	Typical thermal resistance, Junction to Lead (Note3)	17.0				° C/W
T_J	Operating junction temperature range	-55 to +125		-55 to +150		° C
T_{STG}	Storage Temperature Range	-55 to +150				° C

Note: 1. 8.3ms single half sine-wave superimposed on rated load (JEDEC method)
2. Pulse Test with PW = 300 µsec, 1% Duty Cycle.
3. P.C.B. mounted 5.0 x 5.0mm (0.2 x 0.2") copper pad areas.

Typical Characteristics Curves

Fig.1- Forward Current Derating Curve

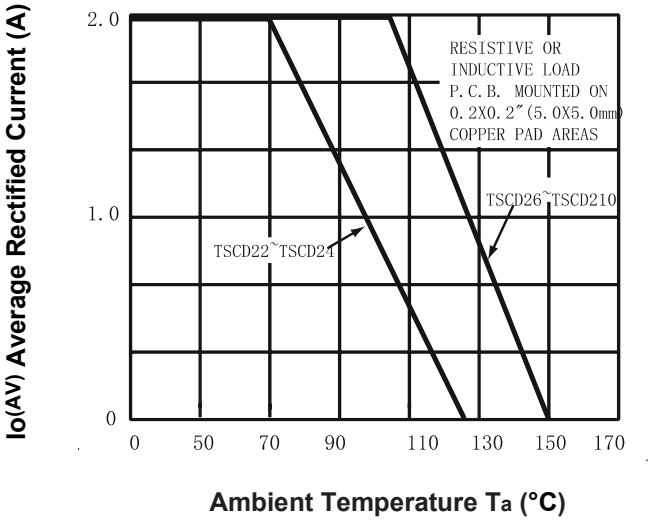


Fig.2-Max. Non-Repetitive Forward Surge Current

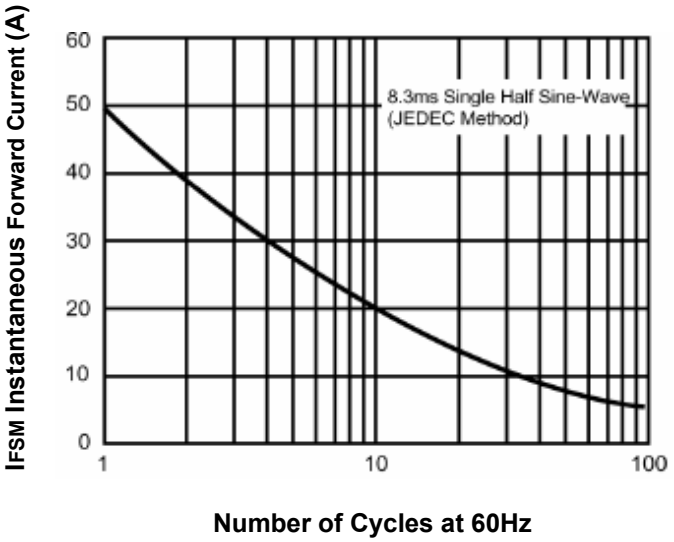


Fig.3- Typical Forward Characteristics

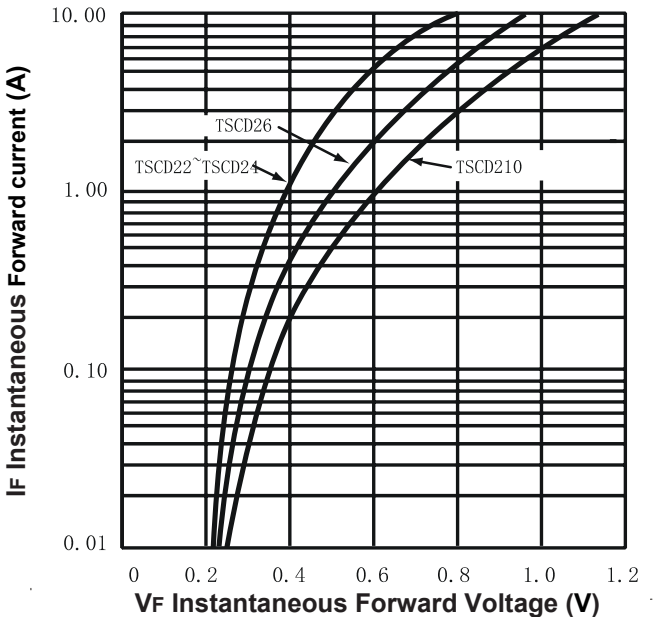


Fig.4- Typical Reverse Characteristics

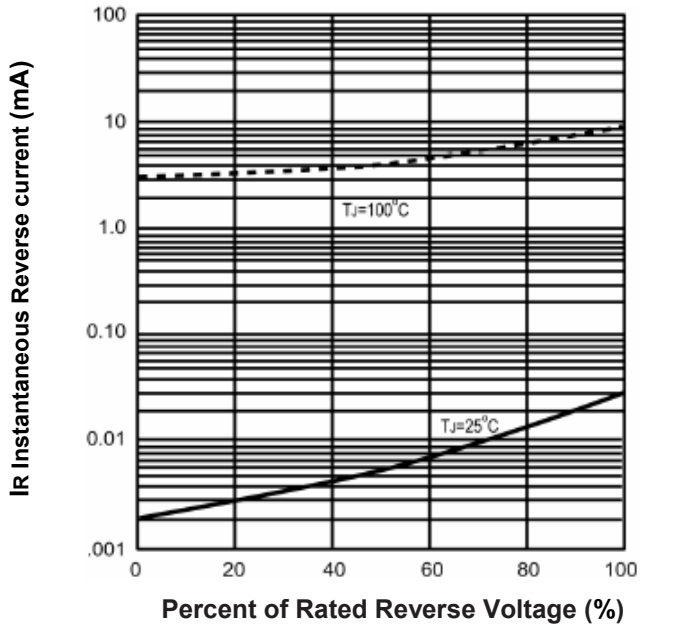
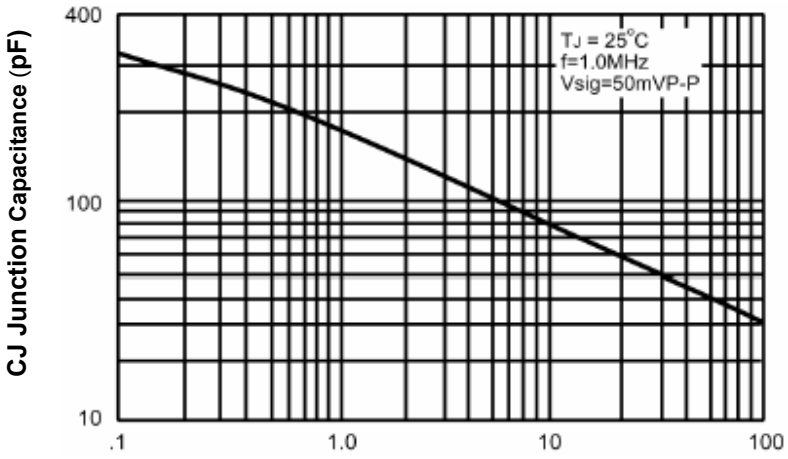
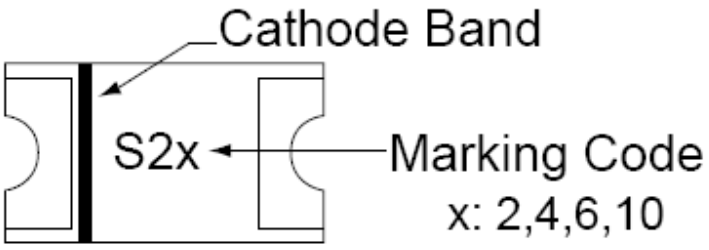


Fig.5- Typical Junction Capacitance

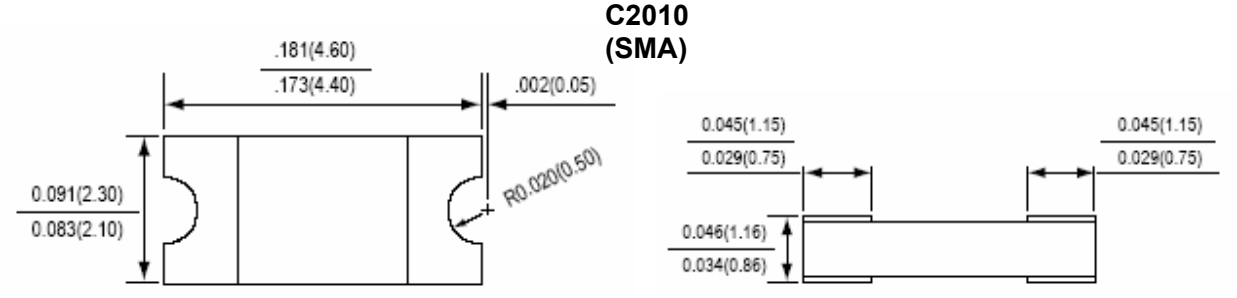


Marking Information:



Dimensions in inch (mm)

C2010
(SMA)



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