Surface Mount Schottky Barrier Rectifier

Features

- Low Profile in SMC Package
- Low power loss, high efficiency
- Low Forward Voltage Drop
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- RoHS Compliant



SMC

RoHS Compliant

Mechanical Data

Case:	JEDEC DO-214AB(SMC) molded plastic
Terminals:	Solder plated, solderable per MIL-STD-750, Method 2026
Polarity	Color band denotes the cathode end
Weight	0.007 Ounce, 0. 21 gram

Maximum Ratings & Electrical Characteristics *($T_{Ambient}$=25ºC unless noted otherwise)*

Symbols	Description	SS32	SS33	SS34	SS35	SS36	SS38	SS39	SS310	Unit
V_{RMS}	Maximum RMS voltage	14	21	28	35	42	56	63	70	V
V_{RRM}	Maximum repetitive peak reverse voltage	20	30	40	50	60	80	90	100	V
V_{DC}	Maximum DC blocking voltage	20	30	40	50	60	80	90	100	V
$I_{(AV)}$	Maximum average forward rectified current (FIG.1)	3.0								A
I_{FSM}	Peak forward surge current (JEDEC Method)	80.0								A
V_F	Maximum instantaneous forward voltage at 3.0A	0.50			0.70		0.85			V
I_R	Maximum DC reverse current at rated DC blocking voltage	T_A =25°C	2.0							mA
		T_A =100°C	20.0							
$R_{\theta JA}$	Maximum thermal resistance, Junction to Ambient	17								° C/W
C_J	Typical Junction Capacitance (NOTE)	300								pf
T_J	Operating junction temperature range	-50 to +125			-50 to +150					° C
T_{STG}	Storage Temperature Range	-65 to +150								° C

NOTES: Measured at 1MHz and applier reverse voltage of 4.0VDC.

Typical Characteristics Curves

Fig.1- Forward Current Derating Curve

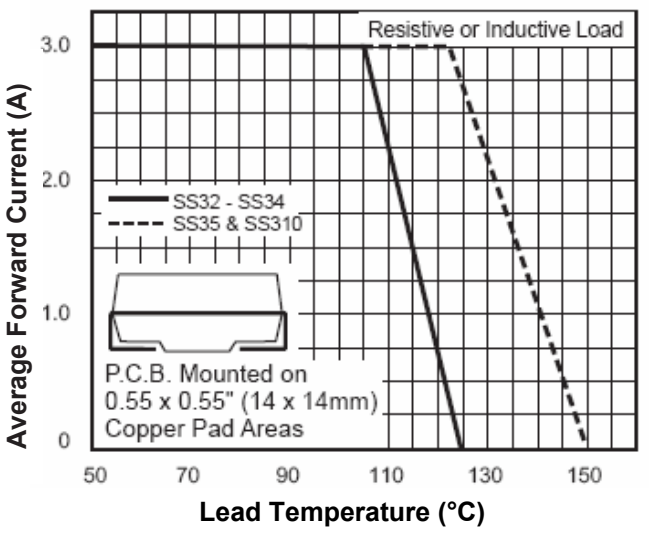


Fig.2- Non-repetitive Peak Forward Surge Current

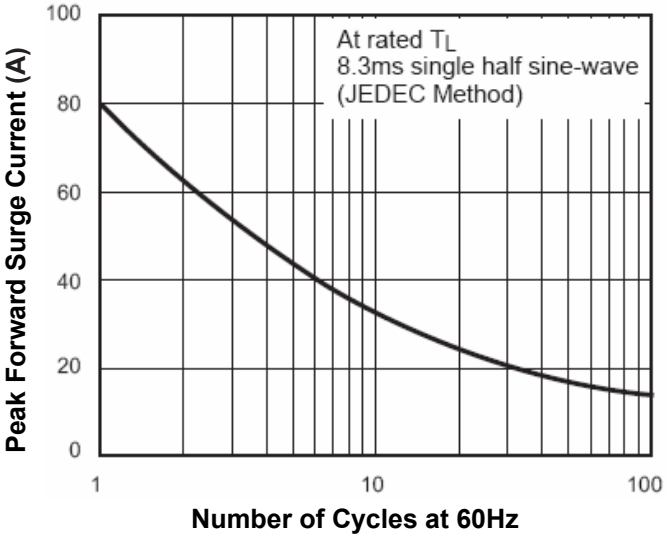


Fig.3- Typical Instantaneous Forward Characteristics

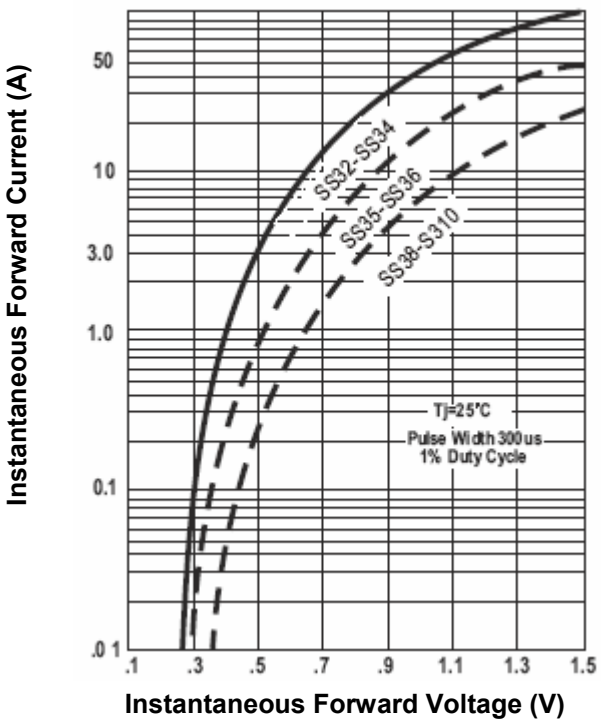


Fig.4- Typical Reverse Current Characteristics

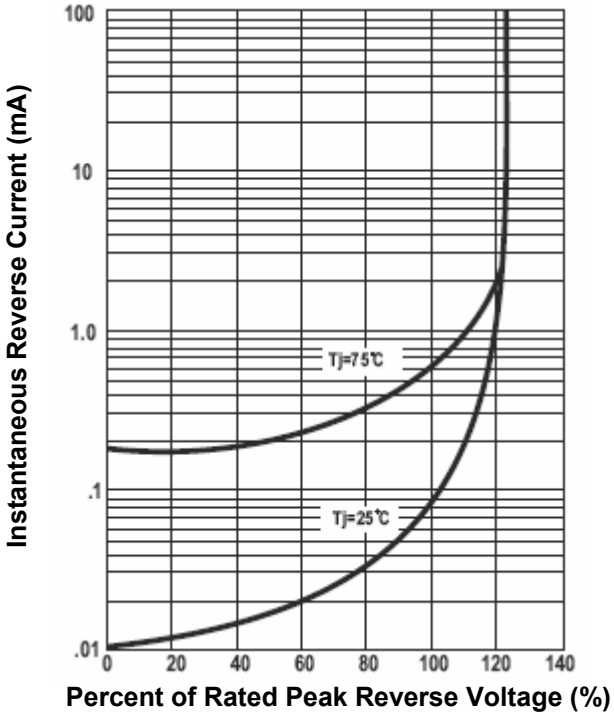
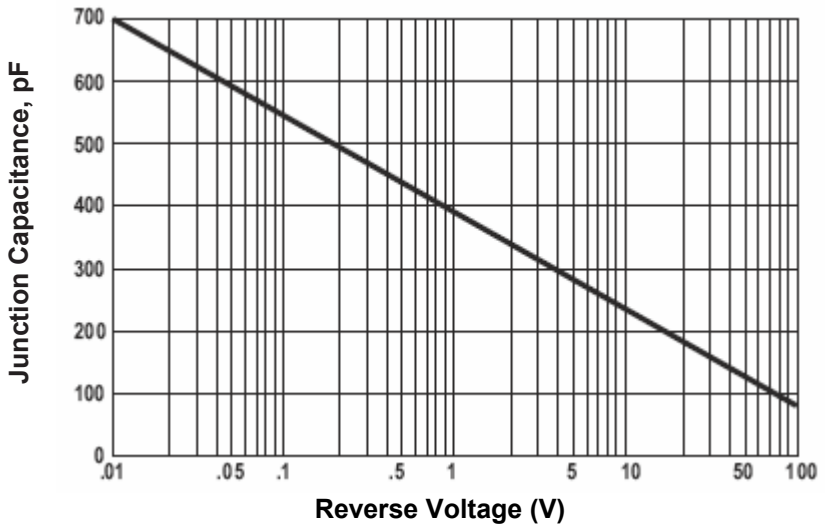
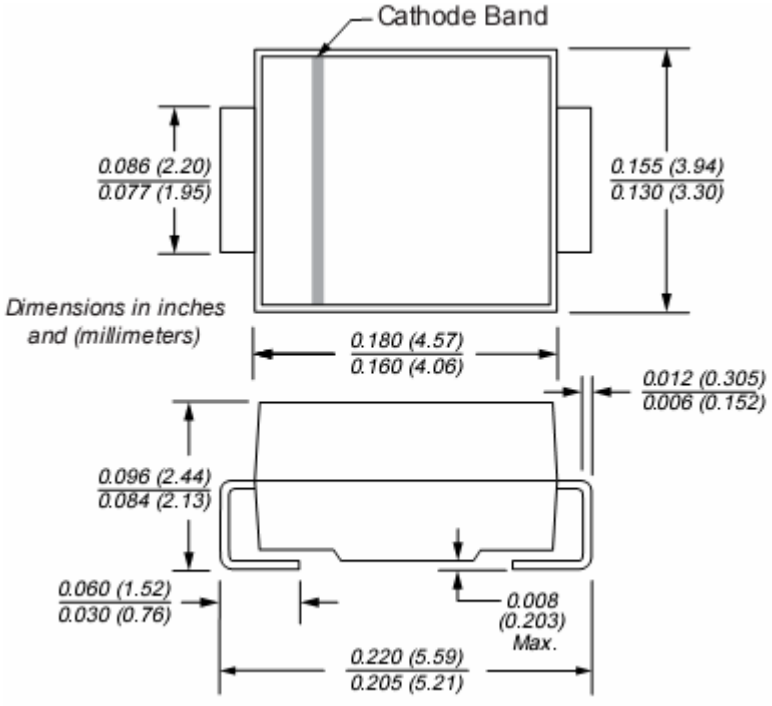
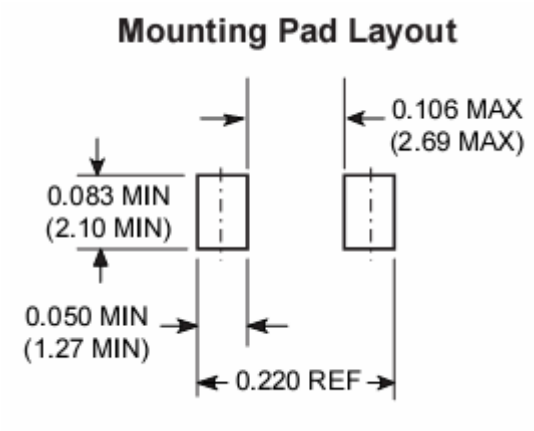


Fig.5-Typical junction capacitance



Dimensions in inches (mm)





How to contact us

US HEADQUARTERS

28040 WEST HARRISON PARKWAY, VALENCIA, CA 91355-4162
Tel: (800) TAITRON (800) 247-2232 (661) 257-6060
Fax: (800) TAITFAX (800) 824-8329 (661) 257-6415
Email: taitron@taitroncomponents.com
Http://www.taitroncomponents.com

TAITRON COMPONENTS MEXICO, S.A .DE C.V.

BOULEVARD CENTRAL 5000 INTERIOR 5 PARQUE INDUSTRIAL ATITALAQUIA, HIDALGO C.P. 42970 MEXICO
Tel: +52-55-5560-1519
Fax: +52-55-5560-2190

TAITRON COMPONENTS INCORPORATED REPRESENTAÇÕES DO BRASIL LTDA

RUA DOMINGOS DE MORAIS, 2777, 2.ANDAR, SALA 24 SAÚDE - SÃO PAULO-SP 04035-001 BRAZIL
Tel: +55-11-5574-7949
Fax: +55-11-5572-0052

TAITRON COMPONENTS INCORPORATED, SHANGHAI REPRESENTATIVE OFFICE

CROSS REGION PLAZA, 899 LINGLING ROAD, SUITE 18C, SHANGHAI, 200030, CHINA
Tel: +86-21-5424-9942
Fax: +86-21-5424-9931