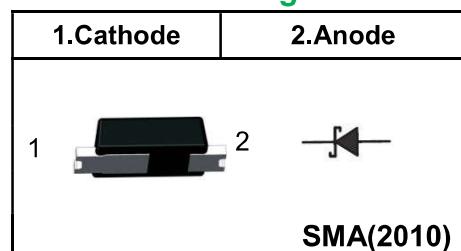


**Surface Mount Schottky Barrier Rectifier**
**Reverse Voltage - 40V~200V**
**Forward Current – 2.0 A**
**FEATURES**

- ◆ Metal silicon junction, majority carrier conduction
- ◆ For surface mounted applications
- ◆ Low power loss, high efficiency
- ◆ For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications

**MECHANICAL DATA**

- ◆ Case:SMA(2010)
- ◆ Terminals: Solderable per MIL-STD-750, Method2026
- ◆ Approx. Weight: 30mg /0.0010oz

**Pinning**

**Marking Code**

<b>SS24</b>	<b>SS24</b>
<b>SS26</b>	<b>SS26</b>
<b>SS210</b>	<b>SS210</b>
<b>SS215</b>	<b>SS215</b>
<b>SS220</b>	<b>SS220</b>

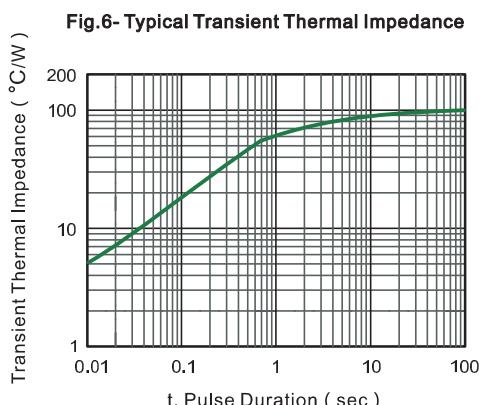
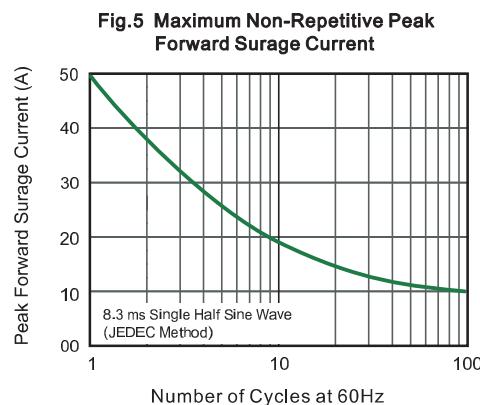
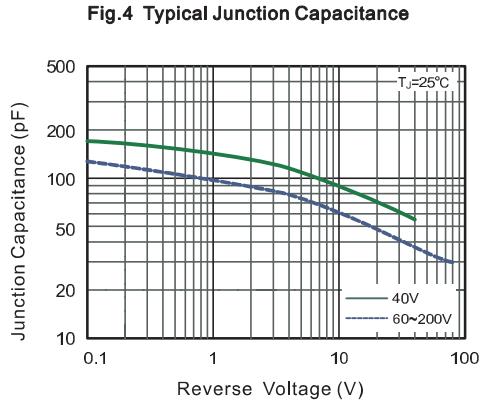
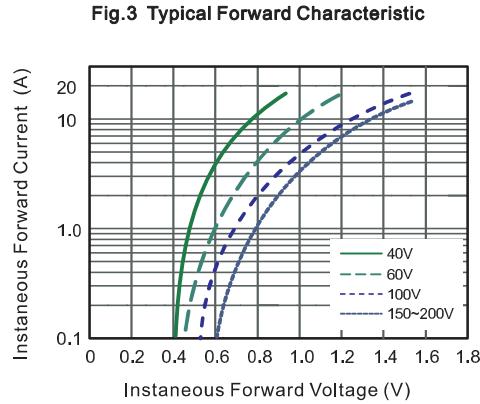
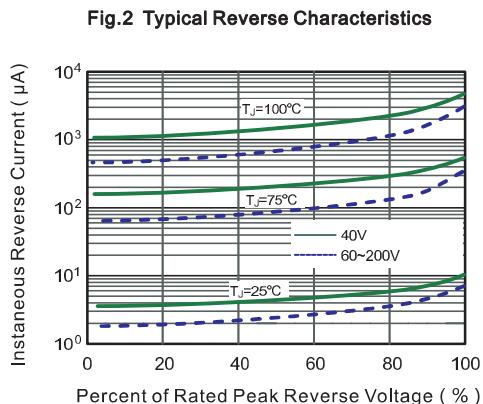
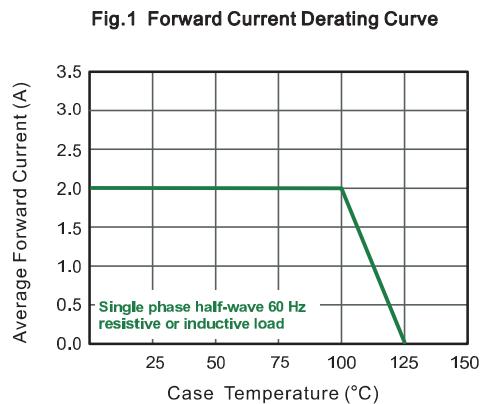
**Absolute Maximum Ratings and Electrical characteristics**

Ratings at 25 ° ambient temperature unless otherwise specified.Single phase, half wave, 60Hz resistive or inductive load, for capacitive load, derate by 20 %

Parameter	Symbols	SS24	SS26	SS210	SS215	SS220	Units				
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	40	60	100	150	200	V				
Maximum RMS voltage	$V_{RMS}$	28	42	70	105	140	V				
Maximum DC Blocking Voltage	$V_{DC}$	40	60	100	150	200	V				
Maximum Average Forward Rectified Current	$I_{F(AV)}$	2.0					A				
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed On Rated Load (JEDEC method)	$I_{FSM}$	50					A				
Maximum Instantaneous Forward Voltageat 2 A	$V_F$	0.55	0.70	0.85	0.95		V				
Maximum DC Reverse Current TA = 25°C at Rated DC Blocking Voltage TA = 100°C	$I_R$	0.5 5	0.3 3				mA				
Typical Junction Capacitance <sup>(1)</sup>	$C_j$	110	80				pF				
Typical Thermal Resistance <sup>(2)</sup>	$R_{\theta ja}$	100					°C/W				
Operating Junction Temperature Range	$T_j$	-55 ~ +125					°C				
Storage Temperature Range	$T_{stg}$	-55 ~ +150					°C				

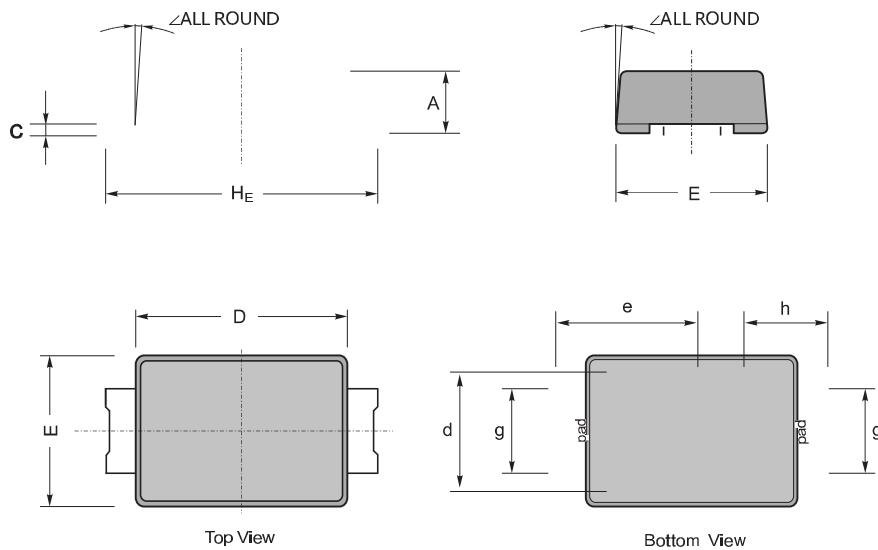
(1) Measured at 1 MHz and applied reverse voltage of 4 V D.C

(2) P.C.B. mounted with 3.81 X 3.81 cm copper pad areas.

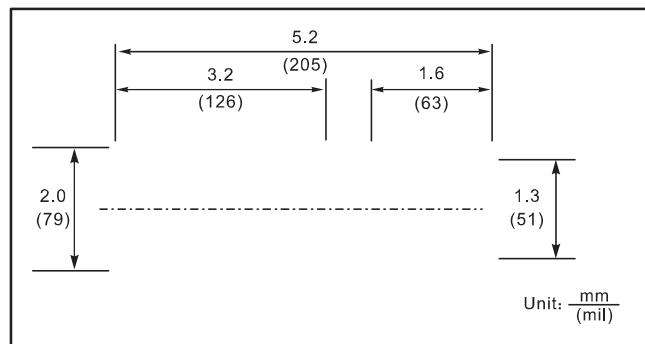


**Package Outline      SMA(2010)**

Plastic surface mounted package; 2 leads



UNIT		A	C	D	E	H <sub>E</sub>	d	e	g	h	<
mm	max	1.20	0.35	4.10	2.70	5.20	1.90	3.05	1.50	1.2	12°
	min	0.90	0.20	3.70	2.30	4.80	1.70	2.85	1.30	1.0	
mil	max	47	13.8	161	106	205	75	120	59	47	12°
	min	35	7.9	145	90	189	67	112	51	39	

**The recommended mounting pad size**

**Summary of Packing Options**

Package	Package Description	Packing Quantity	Industry Standard
SMA(2010)	Tape/Reel, 7" reel	3000	EIA-481-1