

## S-1.5SMC\*\*\* CASeries

# SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR VOLTAGE 6.8 TO 440 Volts, 1500 Watt Peak Pulse Power

#### 1. FEATURES

- We declare that the material of product compliance with RoHS requirements and Halogen Free.
- Plastic package has Underwriters Laboratory
   Flammability Classification 94V-O
- For surface mounted applications in order to optimize board space
- Low profile package
- Built-in strain relief
- Glass passivated junction
- Low inductance
- Excellent clamping capability
- Repetition Rate (duty cycle):0.01%
- Fast response time: typically less than 1.0ps
- Typical IR less than 1uA above 10V
- High temperature soldering guaranteed: 260°C/10 seconds,
- Weight: 0.26g
- S- prefix for automotive and other applications requiring unique site and control change requirements; AEC-Q101 qualified and PPAP capable.



Case: JEDEC DO-214AB (SMC)

Terminals: Plated leads, solderable per

MIL-STD-202, Method 208

Polarity: Without Color band denoted cathode

Mounting Position: Any

### 3. MAXIMUM RATINGS(Ta = 25°C)

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

RATING	VALUE	UNITS
Peak Power Dissipation at T <sub>A</sub> =25°C, T <sub>P</sub> =1ms(Note 1)	Minimum1500	Watts
Steady State Power Dissipation at T <sub>L</sub> =75°C(Note 2)	5.0	Watts
Operating Temperature Range	-55 to +150	°C
Storage Temperature Range	-55 to +150	°C

#### NOTES:

- 1. Non-repetitive current pulse, per Fig. 3 and derated above TA=25°C per Fig. 2.
- 2. Mounted on 0.31 x 0.31" (8.0 x 8.0mm) copper pads to each terminal.



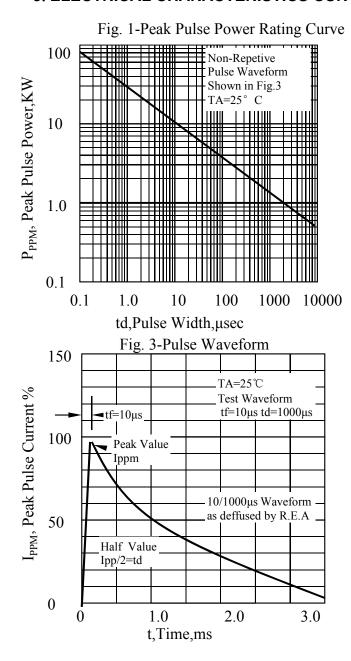


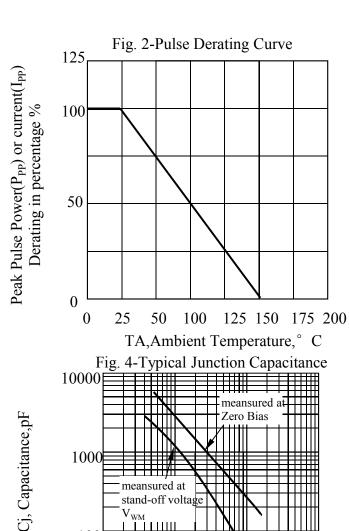
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Device Part   Part   Marking code   Voltage	D:			<b>D</b>	D	<b>-</b> .			-
Part   marking code   Votage   VBR (V)   VBR (V)   IT   Votage   QVRVM   Max (QIT (mA)   QIPP VC (V)   Ipp (A)   IR (uA)	Bi-		1	l			Maximum	Peak	Reverse
Number	1			_					_
\$\frac{8}\text{S1SMC6}\text{ 8CA} \text{ 1.5SMC6}\text{ 8CA} \text{ 5.8} \text{ 6.45} \text{ 7.14} \text{ 10} \text{ 10.5} \text{ 142.9} \text{ 1000} \text{ \$8\$-\$1.5SMC7.5CA} \text{ 1.5SMC8}\text{ 6.4} \text{ 7.13} \text{ 7.88} \text{ 10} \text{ 11.3} \text{ 112.7} \text{ 500} \text{ \$9\$-\$1.5SMC9.2CA} \text{ 1.5SMC8}\text{ 2CA} \text{ 7.72} \text{ 8.65} \text{ 9.5} \text{ 1} \text{ 112.4} \text{ 124.0} \text{ 200} \text{ \$8\$-\$1.5SMC10CA} \text{ 1.5SMC91CA} \text{ 7.78} \text{ 8.65} \text{ 9.5} \text{ 1} \text{ 13.4} \text{ 111.9} \text{ 5.0} \text{ 5.5SMC11CA} \text{ 1.5SMC11CA} \text{ 1.5SMC11CA} \text{ 9.4} \text{ 10.5} \text{ 11.6} \text{ 1 1.56} \text{ 15.6} \text{ 96.2} \text{ 1} \text{ 1.5SMC12CA} \text{ 1.5SMC12CA} \text{ 10.2} \text{ 11.4} \text{ 12.6} \text{ 1} \text{ 15.6} \text{ 16.2} \text{ 1} \text{ 15.5SMC13CA} \text{ 1.5SMC13CA} \text{ 10.2} \text{ 11.14} \text{ 12.6} \text{ 1} \text{ 15.7} \text{ 16.8} \text{ 12.2} \text{ 70.8} \text{ 1} \text{ 1.5SMC15CA} \text{ 1.5SMC15CA} \text{ 12.8} \text{ 14.3} \text{ 15.8} \text{ 1} \text{ 13.7} \text{ 1} \text{ 18.2} \text{ 22.4} \text{ 1} \text{ 1.5SMC15CA} \text{ 1.5SMC15CA} \text{ 13.6} \text{ 15.2} \text{ 16.8} \text{ 1} \text{ 22.5} \text{ 66.7} \text{ 1} \text{ 1.5SMC16CA} \text{ 1.5SMC20CA} \text{ 15.SMC20CA} \text{ 15.SMC20CA} \text{ 15.SMC20CA} \text{ 15.SMC20CA} \text{ 18.8} \text{ 20.9} \text{ 23.1} \text{ 1} \text{ 30.6} \text{ 49.0} \text{ 1} \text{ 1.5SMC20CA} \text{ 1.5SMC20CA} \text{ 1.5SMC20CA} \text{ 1.5SMC20CA} \text{ 1.5SMC30CA} \text{ 25.7} \text{ 28.4} \text{ 1} \text{ 37.5} \text{ 40.0} \text{ 1} \text{ 1.5SMC30CA} \text{ 1.5SMC30CA} \text{ 25.7} \text{ 28.4} \text{ 1} \text{ 37.5} \text{ 40.0} \text{ 1} \text{ 1.5SMC30CA} \text{ 1.5SMC30CA} \text{ 28.2} \text{ 31.4} \text{ 34.7} \text{ 1} \text{ 45.2} \text{ 1} \text{ 53.8} \text{ 20.9} \text{ 27.7} \text{ 54.2} \text{ 1} \text{ 53.5SMC30CA} \text{ 1.5SMC30CA} \text{ 28.2} \text{ 31.4} \text{ 34.7} \text{ 1} \text{ 45.9} \text{ 1.5SMC30CA} \text{ 1.5SMC30CA} \text{ 30.8}  34	Part	marking code							_
S-1.5SMC7.5CA									IR (uA)
S-1.5SMC8.2CA         1.5SMC8.2CA         7.02         7.79         8.61         10         12.1         124.0         200           S-1.5SMC10CA         1.5SMC91CA         1.5SMC91CA         1.5SMC91CA         1.5SMC10CA         1.5SMC10CA         1.5SMC10CA         1.5SMC10CA         1.5SMC10CA         1.5SMC11CA         9.4         10.5         11.6         1         15.6         96.2         1           S-1.5SMC12CA         1.5SMC13CA         1.1.1         12.4         12.6         1         16.7         89.8         1           S-1.5SMC15CA         1.5SMC13CA         1.1.1         12.4         13.7         1         18.2         82.4         1           S-1.5SMC16CA         1.5SMC16CA         1.5SMC16CA         1.5SMC16CA         1.5SMC16CA         1.5SMC16CA         1.5SMC16CA         1.5SMC16CA         1.5SMC16CA         1.5SMC16CA         1.5SMC2CA         17.1         19         21         1         22.2         59.5         1           S-1.5SMC2CAA         1.5SMC2CAA         1.5SMC2CAA         1.5SMC2CAA         1.5MC2CAA         1.5MC2CAA         1.5MC3CAA         2.5SMC3CAA         1.5SMC3CAA         2.5MC3CAA         2.5SMC3CAA         2.5MC3CAA         2.5MC3CAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	S-1.5SMC6.8CA	1.5SMC6.8CA	5.8	6.45	7.14	10	10.5	142.9	1000
S-1.5SMC9.1CA	S-1.5SMC7.5CA	1.5SMC7.5CA	6.4	7.13	7.88	10	11.3	132.7	500
\$\frac{\text{S-1.5SMC10CA}{\text{1.5SMC11CA}}\$ 1.5SMC11CA   9.4   10.5   11.6   1   15.6   96.2   1   11.6   1   15.6   96.2   1   11.5   11.6   1   15.6   96.2   1   11.5   11.6   1   15.6   96.2   1   11.5   11.6   1   15.6   96.2   1   11.5   1	S-1.5SMC8.2CA	1.5SMC8.2CA	7.02	7.79	8.61	10	12.1	124.0	200
\$\frac{\text{S-1.5SMC11CA}{\text{ 1.5SMC12CA}{\text{ 1.5SMC12CA}{\text{ 1.5SMC13CA}{\text{ 1.5SMC13CA}{\text{ 1.5SMC13CA}{\text{ 1.5SMC13CA}{\text{ 1.5SMC13CA}{\text{ 1.5SMC13CA}{\text{ 1.5SMC13CA}{\text{ 1.5SMC13CA}{\text{ 1.5SMC15CA}{\text{ 1.5SMC20CA}{\text{ 1.5SMC30CA}{\text{ 2.5.6}{\text{ 2.8.6}{\text{ 31.5}{\text{ 1.5SMC30CA}{\text{ 1.5SMC30CA}{\text{ 1.5SMC30CA}{\text{ 2.6.6}{\text{ 2.8.6}{\text{ 31.5}{\text{ 1.5SMC33CA}{\text{ 1.5SMC33CA}{\text{ 3.3.3}{\text{ 3.7.6}{\text{ 1.4}{\text{ 1.5SMC33CA}{\text{ 1.5SMC39CA}{\text{ 1.5SMC39CA}{\text{ 3.3.3}{\text{ 3.7.6}{\text{ 1.5SMC39CA}{\text{ 1.5SMC39CA}{\text{ 1.5SMC39CA}{\text{ 3.6.8}{\text{ 4.9.9}{\text{ 4.9.4}{\text{ 1.5SMC35CA}{\text{ 1.5SMC39CA}{\text{ 1.5SMC39CA}{\text{ 3.6.8}{\text{ 4.9.9}{\text{ 4.9.4}{\text{ 1.5SMC35CA}{\text{ 1.5SMC35CA}{\text{ 1.5SMC35CA}{\text{ 3.6.8}{\text{ 4.9.9}{\text{ 4.9.4}{\text{ 1.5SMC35CA}{\text{ 4.9.8}{\text{ 1.5SMC35CA}{\text{ 3.5SMC35CA}{\text{ 3.5SMC35CA}{	S-1.5SMC9.1CA	1.5SMC9.1CA	7.78	8.65	9.5	1	13.4	111.9	50
\$\frac{\text{S-1.5SMC12CA}{\text{ 1.5SMC13CA}{\text{ 1.1.4}}}\$  10.2	S-1.5SMC10CA	1.5SMC10CA	8.55	9.5	10.5	1	14.5	103.4	10
S-1.5SMC13CA	S-1.5SMC11CA	1.5SMC11CA	9.4	10.5	11.6	1	15.6	96.2	1
S-1.5SMC15CA	S-1.5SMC12CA	1.5SMC12CA	10.2	11.4	12.6	1	16.7	89.8	1
S-1.5SMC15CA	S-1.5SMC13CA	1.5SMC13CA	11.1	12.4	13.7	1	18.2	82.4	1
\$\begin{array}{c c c c c c c c c c c c c c c c c c c			12.8		15.8	1			1
S-1.5SMC18CA         1.5SMC20CA         15.3         17.1         18.9         1         25.2         59.5         1           S-1.5SMC20CA         1.5SMC20CA         17.1         19         21         1         27.7         54.2         1           S-1.5SMC22CA         1.5SMC22CA         18.8         20.9         23.1         1         30.6         49.0         1           S-1.5SMC2CA         1.5SMC24CA         20.5         22.8         25.2         1         33.2         45.2         1           S-1.5SMC27CA         1.5SMC27CA         24         25.7         28.4         1         37.5         40.0         1           S-1.5SMC30CA         1.5SMC33CA         22.6         28.5         31.5         1         41.4         36.2         1           S-1.5SMC33CA         1.5SMC33CA         28.2         31.4         34.7         1         45.7         32.8         1           S-1.5SMC3GCA         1.5SMC3GCA         30.8         34.2         37.8         1         49.9         30.1         1           S-1.5SMC3GCA         1.5SMC3GCA         33.3         37.1         41         1         53.9         27.8         1           S-1.5SM						1			1
S-1.5SMC20CA         1.5SMC20CA         17.1         19         21         1         27.7         54.2         1           S-1.5SMC2CA         1.5SMC22CA         18.8         20.9         23.1         1         30.6         49.0         1           S-1.5SMC2CA         1.5SMC24CA         20.5         22.8         25.2         1         33.2         46.2         1           S-1.5SMC3CA         1.5SMC30CA         24         25.7         28.4         1         37.5         40.0         1           S-1.5SMC30CA         1.5SMC33CA         25.6         28.5         31.5         1         41.4         36.2         1           S-1.5SMC33CA         1.5SMC33CA         28.2         31.4         34.7         1         45.7         32.8         1           S-1.5SMC3GCA         1.5SMC3GCA         30.8         34.2         37.8         1         49.9         30.1         1           S-1.5SMC43CA         1.5SMC3GCA         33.3         37.1         41         1         53.9         27.8         1           S-1.5SMC47CA         1.5SMC47CA         40.2         44.7         49.4         1         64.8         23.1         1           S-1.5SMC4									1
S-1.5SMC22CA         1.5SMC22CA         18.8         20.9         23.1         1         30.6         49.0         1           S-1.5SMC2CA         1.5SMC2CA         20.5         22.8         25.2         1         33.2         45.2         1           S-1.5SMC3CA         1.5SMC3CA         24         25.7         28.4         1         37.5         40.0         1           S-1.5SMC3CA         1.5SMC3OCA         25.6         28.5         31.5         1         41.4         36.2         1           S-1.5SMC33CA         1.5SMC33CA         28.2         31.4         34.7         1         45.7         32.8         1           S-1.5SMC3GCA         1.5SMC3GCA         30.8         34.2         37.8         1         49.9         30.1         1           S-1.5SMC3GCA         1.5SMC3GCA         36.8         40.9         45.2         1         59.3         27.8         1           S-1.5SMC47CA         1.5SMC47CA         40.2         44.7         49.4         1         64.8         23.1         1           S-1.5SMC51CA         1.5SMC56CA         47.8         53.2         58.8         1         77.1         19.5         1           S-1.5									
S-1.5SMC24CA         1.5SMC24CA         20.5         22.8         25.2         1         33.2         45.2         1           S-1.5SMC27CA         1.5SMC27CA         24         25.7         28.4         1         37.5         40.0         1           S-1.5SMC30CA         1.5SMC30CA         25.6         28.5         31.5         1         41.4         36.2         1           S-1.5SMC36CA         1.5SMC33CA         28.2         31.4         34.7         1         45.7         32.8         1           S-1.5SMC36CA         1.5SMC36CA         30.8         34.2         37.8         1         49.9         30.1         1           S-1.5SMC39CA         1.5SMC39CA         33.3         37.1         41         1         53.9         27.8         1           S-1.5SMC43CA         1.5SMC43CA         36.8         40.9         45.2         1         59.3         25.3         1           S-1.5SMC43CA         1.5SMC43CA         36.8         40.9         45.2         1         59.3         25.3         1           S-1.5SMC47CA         1.5SMC56CA         47.8         53.2         58.8         1         77.1         14.1         1           S-									
S-1.5SMC27CA         1.5SMC30CA         24         25.7         28.4         1         37.5         40.0         1           S-1.5SMC30CA         1.5SMC30CA         25.6         28.5         31.5         1         41.4         36.2         1           S-1.5SMC33CA         1.5SMC33CA         28.2         31.4         34.7         1         45.7         32.8         1           S-1.5SMC39CA         1.5SMC39CA         30.8         34.2         37.8         1         49.9         30.1         1           S-1.5SMC39CA         1.5SMC39CA         33.3         37.1         41         1         53.9         27.8         1           S-1.5SMC47CA         1.5SMC47CA         36.8         40.9         45.2         1         59.3         25.3         1           S-1.5SMC47CA         1.5SMC47CA         40.2         44.7         49.4         1         64.8         23.1         1           S-1.5SMC47CA         1.5SMC56CA         43.6         48.5         53.6         1         70.1         21.4         1           S-1.5SMC6CA         1.5SMC6CA         53         58.9         65.1         1         77         19.5         1           S-1.5SMC									
S-1.5SMC30CA         1.5SMC33CA         25.6         28.5         31.5         1         41.4         36.2         1           S-1.5SMC33CA         1.5SMC33CA         28.2         31.4         34.7         1         45.7         32.8         1           S-1.5SMC3GCA         1.5SMC3GCA         30.8         34.2         37.8         1         49.9         30.1         1           S-1.5SMC3GCA         1.5SMC3GCA         33.3         37.1         41         1         53.9         27.8         1           S-1.5SMC47CA         1.5SMC43CA         36.8         40.9         45.2         1         59.3         25.3         1           S-1.5SMC47CA         1.5SMC47CA         40.2         44.7         49.4         1         64.8         23.1         1           S-1.5SMC51CA         1.5SMC56CA         47.8         53.2         58.8         1         77.1         19.5         1           S-1.5SMC62CA         1.5SMC62CA         53         58.9         65.1         1         85         17.6         1           S-1.5SMC62CA         1.5SMC75CA         64.1         71.3         78.8         1         103         14.6         1           S-1.5									<u> </u>
S-1.5SMC33CA         1.5SMC33CA         28.2         31.4         34.7         1         45.7         32.8         1           S-1.5SMC36CA         1.5SMC36CA         30.8         34.2         37.8         1         49.9         30.1         1           S-1.5SMC39CA         1.5SMC39CA         33.3         37.1         41         1         53.9         27.8         1           S-1.5SMC43CA         1.5SMC43CA         36.8         40.9         45.2         1         59.3         25.3         1           S-1.5SMC47CA         1.5SMC47CA         40.2         44.7         49.4         1         64.8         23.1         1           S-1.5SMC51CA         1.5SMC51CA         43.6         48.5         53.6         1         70.1         21.4         1           S-1.5SMC56CA         1.5SMC56CA         47.8         53.2         58.8         1         77         19.5         1           S-1.5SMC62CA         1.5SMC68CA         53         58.9         65.1         1         85         17.6         1           S-1.5SMC75CA         1.5SMC75CA         64.1         71.3         78.8         1         103         14.6         1           S-1.5SM									<u> </u>
S-1.5SMC36CA         1.5SMC36CA         30.8         34.2         37.8         1         49.9         30.1         1           S-1.5SMC39CA         1.5SMC39CA         33.3         37.1         41         1         53.9         27.8         1           S-1.5SMC47CA         1.5SMC47CA         36.8         40.9         45.2         1         59.3         25.3         1           S-1.5SMC47CA         1.5SMC47CA         40.2         44.7         49.4         1         64.8         23.1         1           S-1.5SMC56CA         1.5SMC51CA         43.6         48.5         53.6         1         70.1         21.4         1           S-1.5SMC56CA         1.5SMC56CA         47.8         53.2         58.8         1         77         19.5         1           S-1.5SMC6CA         1.5SMC6CA         53         58.9         65.1         1         85         17.6         1           S-1.5SMC6CA         1.5SMC6CA         58.1         64.6         71.4         1         92         16.3         1           S-1.5SMC75CA         1.5SMC82CA         70.1         77.9         86.1         1         113         13.3         1           S-1.5SMC100CA									
S-1.5SMC39CA         1.5SMC39CA         33.3         37.1         41         1         53.9         27.8         1           S-1.5SMC43CA         1.5SMC47CA         36.8         40.9         45.2         1         59.3         25.3         1           S-1.5SMC47CA         1.5SMC47CA         40.2         44.7         49.4         1         64.8         23.1         1           S-1.5SMC51CA         1.5SMC51CA         43.6         48.5         53.6         1         70.1         21.4         1           S-1.5SMC56CA         1.5SMC56CA         47.8         53.2         58.8         1         77         19.5         1           S-1.5SMC62CA         1.5SMC62CA         53         58.9         65.1         1         85         17.6         1           S-1.5SMC75CA         1.5SMC68CA         58.1         64.6         71.4         1         92         16.3         1           S-1.5SMC75CA         1.5SMC75CA         64.1         71.3         78.8         1         103         14.6         1           S-1.5SMC82CA         1.5SMC91CA         77.8         86.5         96.5         1         125         12.0         1           S-1.5SMC10									
S-1.5SMC43CA         1.5SMC47CA         36.8         40.9         45.2         1         59.3         25.3         1           S-1.5SMC47CA         1.5SMC47CA         40.2         44.7         49.4         1         64.8         23.1         1           S-1.5SMC51CA         1.5SMC51CA         43.6         48.5         53.6         1         70.1         21.4         1           S-1.5SMC56CA         1.5SMC56CA         47.8         53.2         58.8         1         77         19.5         1           S-1.5SMC62CA         1.5SMC62CA         53         58.9         65.1         1         85         17.6         1           S-1.5SMC68CA         1.5SMC68CA         58.1         64.6         71.4         1         92         16.3         1           S-1.5SMC68CA         1.5SMC75CA         64.1         71.3         78.8         1         103         14.6         1           S-1.5SMC82CA         70.1         77.9         86.1         1         113         13.3         1           S-1.5SMC10CA         1.5SMC10CA         77.8         86.5         95.5         1         125         12.0         1           S-1.5SMC110CA         1.5SMC									
S-1.5SMC47CA         1.5SMC47CA         40.2         44.7         49.4         1         64.8         23.1         1           S-1.5SMC51CA         1.5SMC51CA         43.6         48.5         53.6         1         70.1         21.4         1           S-1.5SMC56CA         1.5SMC56CA         47.8         53.2         58.8         1         77         19.5         1           S-1.5SMC62CA         1.5SMC62CA         53         58.9         65.1         1         85         17.6         1           S-1.5SMC68CA         1.5SMC68CA         58.1         64.6         71.4         1         92         16.3         1           S-1.5SMC75CA         1.5SMC75CA         64.1         71.3         78.8         1         103         14.6         1           S-1.5SMC91CA         1.5SMC91CA         77.8         86.5         95.5         1         125         12.0         1           S-1.5SMC100CA         1.5SMC100CA         85.5         95         105         1         137         10.9         1           S-1.5SMC110CA         1.5SMC110CA         94         105         116         1         152         9.9         1           S-1.5SMC130CA<									<del></del>
S-1.5SMC51CA         1.5SMC51CA         43.6         48.5         53.6         1         70.1         21.4         1           S-1.5SMC56CA         1.5SMC56CA         47.8         53.2         58.8         1         77         19.5         1           S-1.5SMC62CA         1.5SMC62CA         53         58.9         65.1         1         85         17.6         1           S-1.5SMC68CA         1.5SMC68CA         58.1         64.6         71.4         1         92         16.3         1           S-1.5SMC75CA         1.5SMC75CA         64.1         71.3         78.8         1         103         14.6         1           S-1.5SMC91CA         1.5SMC91CA         77.8         86.5         95.5         1         125         12.0         1           S-1.5SMC100CA         1.5SMC100CA         85.5         95         105         1         137         10.9         1           S-1.5SMC110CA         1.5SMC110CA         94         105         116         1         152         9.9         1           S-1.5SMC130CA         1.5SMC130CA         111         124         137         1         179         8.4         1           S-1.5SMC150CA <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
S-1.5SMC56CA         1.5SMC56CA         47.8         53.2         58.8         1         77         19.5         1           S-1.5SMC62CA         1.5SMC62CA         53         58.9         65.1         1         85         17.6         1           S-1.5SMC68CA         1.5SMC68CA         58.1         64.6         71.4         1         92         16.3         1           S-1.5SMC75CA         1.5SMC75CA         64.1         71.3         78.8         1         103         14.6         1           S-1.5SMC82CA         1.5SMC91CA         77.8         86.1         1         113         13.3         1           S-1.5SMC100CA         1.5SMC100CA         85.5         95.5         1         125         12.0         1           S-1.5SMC100CA         1.5SMC110CA         94         105         116         1         152         9.9         1           S-1.5SMC130CA         1.5SMC130CA         111         124         137         1         179         8.4         1           S-1.5SMC150CA         1.5SMC150CA         128         143         158         1         207         7.2         1           S-1.5SMC150CA         1.5SMC150CA         1									
S-1.5SMC62CA         1.5SMC62CA         53         58.9         65.1         1         85         17.6         1           S-1.5SMC68CA         1.5SMC68CA         58.1         64.6         71.4         1         92         16.3         1           S-1.5SMC75CA         1.5SMC75CA         64.1         71.3         78.8         1         103         14.6         1           S-1.5SMC82CA         1.5SMC82CA         70.1         77.9         86.1         1         113         13.3         1           S-1.5SMC91CA         1.5SMC91CA         77.8         86.5         95.5         1         125         12.0         1           S-1.5SMC10CA         1.5SMC10CA         85.5         95         105         1         137         10.9         1           S-1.5SMC110CA         1.5SMC110CA         94         105         116         1         152         9.9         1           S-1.5SMC120CA         1.5SMC120CA         102         114         126         1         165         9.1         1           S-1.5SMC130CA         1.5SMC130CA         111         124         137         1         179         8.4         1           S-1.5SMC160CA									-
S-1.5SMC68CA         1.5SMC68CA         58.1         64.6         71.4         1         92         16.3         1           S-1.5SMC75CA         1.5SMC75CA         64.1         71.3         78.8         1         103         14.6         1           S-1.5SMC82CA         1.5SMC82CA         70.1         77.9         86.1         1         113         13.3         1           S-1.5SMC91CA         1.5SMC91CA         77.8         86.5         95.5         1         125         12.0         1           S-1.5SMC100CA         1.5SMC10CA         85.5         95         105         1         137         10.9         1           S-1.5SMC110CA         1.5SMC110CA         94         105         116         1         152         9.9         1           S-1.5SMC120CA         1.5SMC120CA         102         114         126         1         165         9.1         1           S-1.5SMC130CA         1.5SMC130CA         111         124         137         1         179         8.4         1           S-1.5SMC150CA         1.5SMC150CA         128         143         158         1         207         7.2         1           S-1.5SMC160CA									
S-1.5SMC75CA         1.5SMC75CA         64.1         71.3         78.8         1         103         14.6         1           S-1.5SMC82CA         1.5SMC82CA         70.1         77.9         86.1         1         113         13.3         1           S-1.5SMC91CA         1.5SMC91CA         77.8         86.5         95.5         1         125         12.0         1           S-1.5SMC100CA         1.5SMC100CA         85.5         95         105         1         137         10.9         1           S-1.5SMC110CA         1.5SMC110CA         94         105         116         1         152         9.9         1           S-1.5SMC120CA         1.5SMC120CA         102         114         126         1         165         9.1         1           S-1.5SMC130CA         1.5SMC130CA         111         124         137         1         179         8.4         1           S-1.5SMC150CA         1.5SMC150CA         128         143         158         1         207         7.2         1           S-1.5SMC160CA         1.5SMC160CA         136         152         168         1         219         6.8         1           S-1.5SMC170CA									
S-1.5SMC82CA         1.5SMC91CA         77.9         86.1         1         113         13.3         1           S-1.5SMC91CA         1.5SMC91CA         77.8         86.5         95.5         1         125         12.0         1           S-1.5SMC100CA         1.5SMC100CA         85.5         95         105         1         137         10.9         1           S-1.5SMC110CA         1.5SMC110CA         94         105         116         1         152         9.9         1           S-1.5SMC120CA         1.5SMC120CA         102         114         126         1         165         9.1         1           S-1.5SMC130CA         1.5SMC130CA         111         124         137         1         179         8.4         1           S-1.5SMC150CA         128         143         158         1         207         7.2         1           S-1.5SMC160CA         1.5SMC160CA         136         152         168         1         219         6.8         1           S-1.5SMC170CA         145         162         179         1         234         6.4         1           S-1.5SMC20CA         1.5SMC20CA         154         171         1									
S-1.5SMC91CA         1.5SMC91CA         77.8         86.5         95.5         1         125         12.0         1           S-1.5SMC100CA         1.5SMC100CA         85.5         95         105         1         137         10.9         1           S-1.5SMC110CA         1.5SMC110CA         94         105         116         1         152         9.9         1           S-1.5SMC120CA         1.5SMC120CA         102         114         126         1         165         9.1         1           S-1.5SMC130CA         1.5SMC130CA         111         124         137         1         179         8.4         1           S-1.5SMC150CA         1.5SMC150CA         128         143         158         1         207         7.2         1           S-1.5SMC160CA         1.5SMC160CA         136         152         168         1         219         6.8         1           S-1.5SMC170CA         1.5SMC170CA         145         162         179         1         234         6.4         1           S-1.5SMC200CA         1.5SMC200CA         154         171         189         1         246         6.1         1           S-1.5SMC200CA									
S-1.5SMC100CA       1.5SMC100CA       85.5       95       105       1       137       10.9       1         S-1.5SMC110CA       1.5SMC110CA       94       105       116       1       152       9.9       1         S-1.5SMC120CA       1.5SMC120CA       102       114       126       1       165       9.1       1         S-1.5SMC130CA       1.5SMC130CA       111       124       137       1       179       8.4       1         S-1.5SMC150CA       1.5SMC150CA       128       143       158       1       207       7.2       1         S-1.5SMC150CA       1.5SMC160CA       136       152       168       1       219       6.8       1         S-1.5SMC170CA       1.5SMC170CA       145       162       179       1       234       6.4       1         S-1.5SMC180CA       1.5SMC180CA       154       171       189       1       246       6.1       1         S-1.5SMC200CA       1.5SMC200CA       185       209       231       1       328       4.6       1         S-1.5SMC200CA       1.5SMC250CA       214       237       263       1       344       4.4       1									
S-1.5SMC110CA       1.5SMC110CA       94       105       116       1       152       9.9       1         S-1.5SMC120CA       1.5SMC120CA       102       114       126       1       165       9.1       1         S-1.5SMC130CA       1.5SMC130CA       111       124       137       1       179       8.4       1         S-1.5SMC150CA       1.5SMC150CA       128       143       158       1       207       7.2       1         S-1.5SMC160CA       1.5SMC160CA       136       152       168       1       219       6.8       1         S-1.5SMC170CA       1.5SMC170CA       145       162       179       1       234       6.4       1         S-1.5SMC180CA       1.5SMC180CA       154       171       189       1       246       6.1       1         S-1.5SMC200CA       1.5SMC200CA       171       190       210       1       274       5.5       1         S-1.5SMC20CA       1.5SMC250CA       185       209       231       1       328       4.6       1         S-1.5SMC30CA       1.5SMC250CA       214       237       263       1       344       4.4       1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><del> </del></td>									<del> </del>
S-1.5SMC120CA       1.5SMC120CA       102       114       126       1       165       9.1       1         S-1.5SMC130CA       1.5SMC130CA       111       124       137       1       179       8.4       1         S-1.5SMC150CA       1.5SMC150CA       128       143       158       1       207       7.2       1         S-1.5SMC160CA       1.5SMC160CA       136       152       168       1       219       6.8       1         S-1.5SMC170CA       1.5SMC170CA       145       162       179       1       234       6.4       1         S-1.5SMC180CA       1.5SMC180CA       154       171       189       1       246       6.1       1         S-1.5SMC200CA       1.5SMC200CA       171       190       210       1       274       5.5       1         S-1.5SMC220CA       1.5SMC220CA       185       209       231       1       328       4.6       1         S-1.5SMC250CA       1.5SMC250CA       214       237       263       1       344       4.4       1         S-1.5SMC300CA       1.5SMC350CA       300       333       367       1       482       3.1       1									
S-1.5SMC130CA       1.5SMC130CA       111       124       137       1       179       8.4       1         S-1.5SMC150CA       1.5SMC150CA       128       143       158       1       207       7.2       1         S-1.5SMC160CA       1.5SMC160CA       136       152       168       1       219       6.8       1         S-1.5SMC170CA       1.5SMC170CA       145       162       179       1       234       6.4       1         S-1.5SMC180CA       1.5SMC180CA       154       171       189       1       246       6.1       1         S-1.5SMC200CA       1.5SMC200CA       171       190       210       1       274       5.5       1         S-1.5SMC220CA       1.5SMC220CA       185       209       231       1       328       4.6       1         S-1.5SMC250CA       1.5SMC250CA       214       237       263       1       344       4.4       1         S-1.5SMC300CA       1.5SMC300CA       256       285       315       1       414       3.6       1         S-1.5SMC400CA       1.5SMC400CA       342       380       420       1       548       2.7       1				105	116	1		9.9	1
S-1.5SMC150CA       1.5SMC150CA       128       143       158       1       207       7.2       1         S-1.5SMC160CA       1.5SMC160CA       136       152       168       1       219       6.8       1         S-1.5SMC170CA       1.5SMC170CA       145       162       179       1       234       6.4       1         S-1.5SMC180CA       1.5SMC180CA       154       171       189       1       246       6.1       1         S-1.5SMC200CA       1.5SMC200CA       171       190       210       1       274       5.5       1         S-1.5SMC220CA       1.5SMC220CA       185       209       231       1       328       4.6       1         S-1.5SMC250CA       1.5SMC250CA       214       237       263       1       344       4.4       1         S-1.5SMC300CA       1.5SMC300CA       256       285       315       1       414       3.6       1         S-1.5SMC400CA       1.5SMC400CA       342       380       420       1       548       2.7       1									1
S-1.5SMC160CA       1.5SMC160CA       136       152       168       1       219       6.8       1         S-1.5SMC170CA       1.5SMC170CA       145       162       179       1       234       6.4       1         S-1.5SMC180CA       1.5SMC180CA       154       171       189       1       246       6.1       1         S-1.5SMC200CA       1.5SMC200CA       171       190       210       1       274       5.5       1         S-1.5SMC220CA       1.5SMC220CA       185       209       231       1       328       4.6       1         S-1.5SMC250CA       1.5SMC250CA       214       237       263       1       344       4.4       1         S-1.5SMC300CA       1.5SMC300CA       256       285       315       1       414       3.6       1         S-1.5SMC350CA       1.5SMC350CA       300       333       367       1       482       3.1       1         S-1.5SMC400CA       1.5SMC400CA       342       380       420       1       548       2.7       1	S-1.5SMC130CA	1.5SMC130CA	111	124	137	1	179		1
S-1.5SMC170CA       1.5SMC170CA       145       162       179       1       234       6.4       1         S-1.5SMC180CA       1.5SMC180CA       154       171       189       1       246       6.1       1         S-1.5SMC200CA       1.5SMC200CA       171       190       210       1       274       5.5       1         S-1.5SMC220CA       1.5SMC220CA       185       209       231       1       328       4.6       1         S-1.5SMC250CA       1.5SMC250CA       214       237       263       1       344       4.4       1         S-1.5SMC300CA       1.5SMC300CA       256       285       315       1       414       3.6       1         S-1.5SMC350CA       1.5SMC350CA       300       333       367       1       482       3.1       1         S-1.5SMC400CA       1.5SMC400CA       342       380       420       1       548       2.7       1	S-1.5SMC150CA	1.5SMC150CA	128		158		207	7.2	1
S-1.5SMC180CA       1.5SMC180CA       154       171       189       1       246       6.1       1         S-1.5SMC200CA       1.5SMC200CA       171       190       210       1       274       5.5       1         S-1.5SMC220CA       1.5SMC220CA       185       209       231       1       328       4.6       1         S-1.5SMC250CA       1.5SMC250CA       214       237       263       1       344       4.4       1         S-1.5SMC300CA       1.5SMC300CA       256       285       315       1       414       3.6       1         S-1.5SMC350CA       1.5SMC350CA       300       333       367       1       482       3.1       1         S-1.5SMC400CA       1.5SMC400CA       342       380       420       1       548       2.7       1				152	168		219	6.8	1
S-1.5SMC200CA     1.5SMC200CA     171     190     210     1     274     5.5     1       S-1.5SMC220CA     1.5SMC220CA     185     209     231     1     328     4.6     1       S-1.5SMC250CA     1.5SMC250CA     214     237     263     1     344     4.4     1       S-1.5SMC300CA     1.5SMC300CA     256     285     315     1     414     3.6     1       S-1.5SMC350CA     1.5SMC350CA     300     333     367     1     482     3.1     1       S-1.5SMC400CA     1.5SMC400CA     342     380     420     1     548     2.7     1	S-1.5SMC170CA	1.5SMC170CA	145	162	179	1	234	6.4	1
S-1.5SMC220CA     1.5SMC220CA     185     209     231     1     328     4.6     1       S-1.5SMC250CA     1.5SMC250CA     214     237     263     1     344     4.4     1       S-1.5SMC300CA     1.5SMC300CA     256     285     315     1     414     3.6     1       S-1.5SMC350CA     1.5SMC350CA     300     333     367     1     482     3.1     1       S-1.5SMC400CA     1.5SMC400CA     342     380     420     1     548     2.7     1	S-1.5SMC180CA	1.5SMC180CA	154	171	189	1	246	6.1	1
S-1.5SMC250CA     1.5SMC250CA     214     237     263     1     344     4.4     1       S-1.5SMC300CA     1.5SMC300CA     256     285     315     1     414     3.6     1       S-1.5SMC350CA     1.5SMC350CA     300     333     367     1     482     3.1     1       S-1.5SMC400CA     1.5SMC400CA     342     380     420     1     548     2.7     1	S-1.5SMC200CA	1.5SMC200CA	171	190	210	1	274	5.5	1
S-1.5SMC300CA     1.5SMC300CA     256     285     315     1     414     3.6     1       S-1.5SMC350CA     1.5SMC350CA     300     333     367     1     482     3.1     1       S-1.5SMC400CA     1.5SMC400CA     342     380     420     1     548     2.7     1	S-1.5SMC220CA	1.5SMC220CA	185	209	231	1	328	4.6	1
S-1.5SMC350CA 1.5SMC350CA 300 333 367 1 482 3.1 1 S-1.5SMC400CA 1.5SMC400CA 342 380 420 1 548 2.7 1	S-1.5SMC250CA	1.5SMC250CA	214	237	263	1	344	4.4	1
S-1.5SMC350CA 1.5SMC350CA 300 333 367 1 482 3.1 1 S-1.5SMC400CA 1.5SMC400CA 342 380 420 1 548 2.7 1	S-1.5SMC300CA	1.5SMC300CA	256	285	315	1	414	3.6	1
S-1.5SMC400CA 1.5SMC400CA 342 380 420 1 548 2.7 1	S-1.5SMC350CA	1.5SMC350CA	300	333	367	1	482	3.1	1
					420	1	548		1
5 5 1.0 0 10   TOL   1   OVL   L.U   1				418	462	1	602	2.5	1



#### 5. ELECTRICAL CHARACTERISTICS CURVES





100

10 1.0

 $TJ = 25^{\circ} C$ 

f = 1.0 MHzV sig = 50 mVp

10

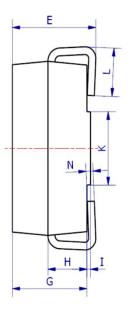
V<sub>(WM)</sub>, Reverse Stand-off

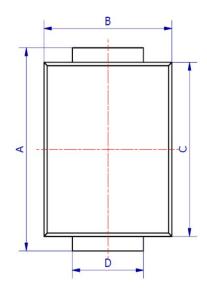
100

1000



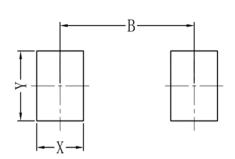
#### **6.OUTLINE AND DIMENSIONS**





SMC					
DIM	Min	Max	Тур.		
Α	7.70	8.30	8.00		
В	5.85	6.25	6.05		
С	6.65	7.05	6.85		
D	2.80	3.20	3.00		
Е	2.45	2.85	2.65		
G	2.10	2.50	2.30		
Н	H 1.00 1.40 1.20				
I	0.05	0.15	0.10		
K	4.30	4.70	4.50		
L	1.00	1.50	1.25		
N	N 0.10 0.30 0.20				
All	Dimens	ions in m	nm		

#### **7.SOLDERING FOOTPRINT**



SMC		
DIM	(mm)	
Х	1.60	
Υ	3.30	
В	6.60	