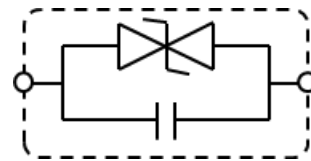


Multilayer Chip Varistor : AVR0603C6R8NT101N

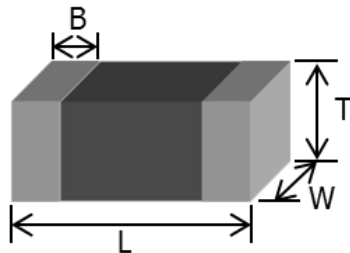
Features

- Commercial grade
- Size : EIA0201 (0.6x0.3mm)
- Excellent ESD clamp characteristics
- High ESD durability : IEC61000-4-2, Level 4
- Operating temperature range : -40°C ~ 85°C

Equivalent Circuit

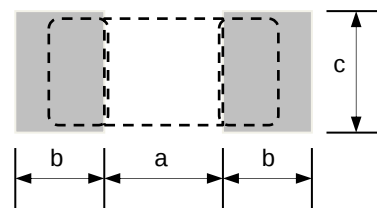


Shapes & Dimensions



Unit / mm				
EIA	L	W	T	B
0201	0.6±0.03	0.3±0.03	0.3±0.03	0.1 Min.

Recommended PCB Pattern



Unit / mm			
EIA	a	b	c
0201	0.25 to 0.35	0.2 to 0.3	0.25 to 0.35

Product Identification

AVRM	0603	C	6R8	N	T	101	N
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

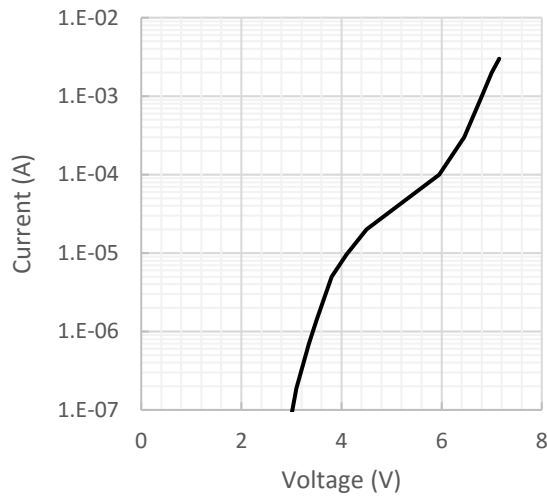
(1)	Series name / AVR0603
(2)	Dimension / 0603:0.6x0.3(mm)
(3)	Structure
(4)	Varistor voltage / 6R8 : 6.8(V)
(5)	Varistor voltage tolerance / N : ±30(%)
(6)	Packaging scheme / T : Taping
(7)	Capacitance / 101:10x10 ¹ (pF)
(8)	Capacitance tolerance / N : ±30(%)

Electrical Characteristics

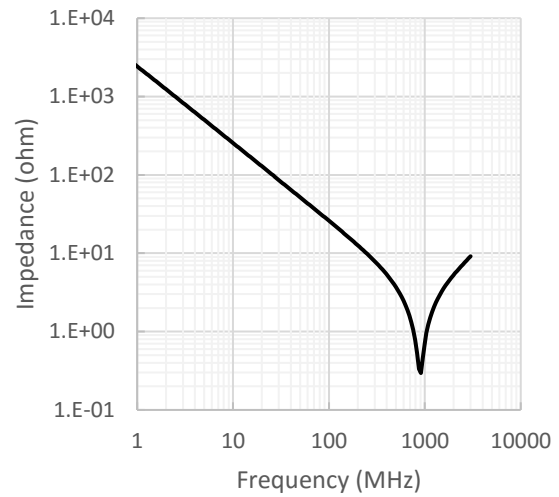
TDK Product Name	Varistor voltage (Breakdown voltage)	Rated voltage	Clamping voltage		Energy	Peak current	Capacitance
	DC1mA	DC	8/20μs		10/1000μs	8/20μs	1kHz, 1Vrms
		Max.	Typ.		Max.	Max.	Typ.
	V1mA	Vdc	Vcl	Icl	E	Ip	C
	(V)	(V)	(V)	(A)	(Joule)	(A)	(pF)
AVR0603C6R8NT101N	6.8(4.76~8.84)	3.5	14	1	0.01	10	100(70~130)

Multilayer Chip Varistor : AVR0603C6R8NT101N

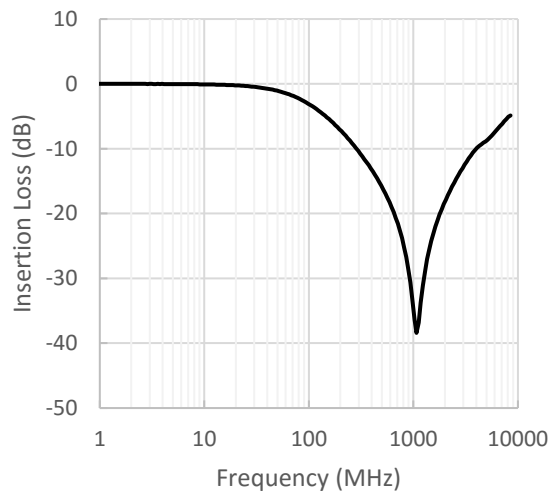
Current-Voltage Curve



Impedance-Freq.



Insertion Loss



Capacitance-Freq.

