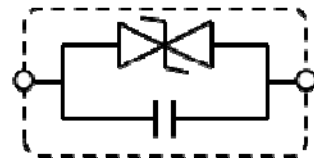


# Multilayer Chip Varistor : AVRF101U6R8KT242

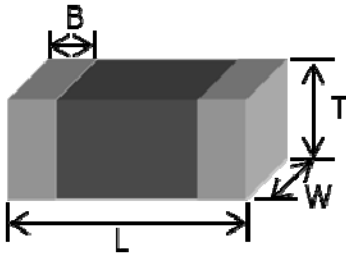
## Features

- Suppression of TDMA noise by wireless communications
- Improved receiver sensitivity for wireless communications
- Commercial grade
- Size : EIA0402 (1.0x0.5mm)
- High ESD durability : IEC61000-4-2, Level 4
- Operating temperature range : -40°C ~ 85°C

## Equivalent Circuit

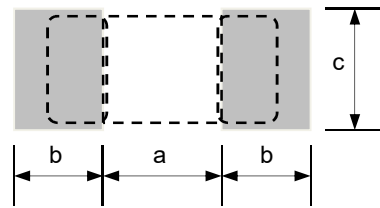


## Shapes & Dimensions



Unit / mm				
EIA	L	W	T	B
0402	1.0±0.05	0.5±0.05	0.5±0.05	0.1 Min.

## Recommended PCB Pattern



Unit / mm			
EIA	a	b	c
0402	0.3 to 0.5	0.35 to 0.45	0.4 to 0.6

## Product Identification

**AVRF**   **10**   **1U**   **6R8**   **K**   **T**   **242**  
 (1)   (2)   (3)   (4)   (5)   (6)   (7)

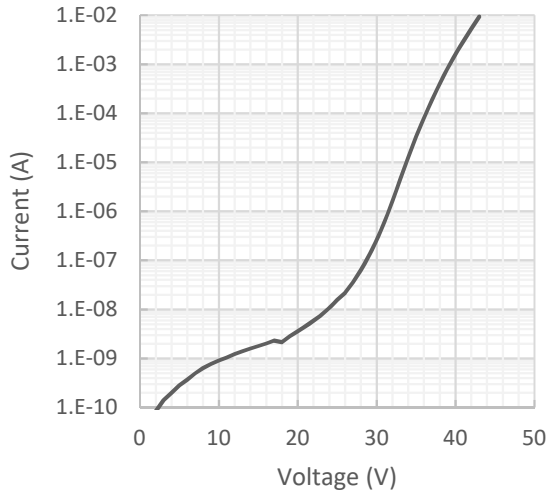
(1)	Series name / AVRF
(2)	Dimension / 1005:1.0x0.5(mm)
(3)	Maximum continuous voltage / 1U : 28(V)
(4)	Capacitance / 6R8 : 6.8(pF)
(5)	Capacitance tolerance / K : ±10(%)
(6)	Packaging scheme / T : Taping
(7)	Insertion loss frequency / 242:24x10 <sup>2</sup> (MHz)

## Electrical Characteristics

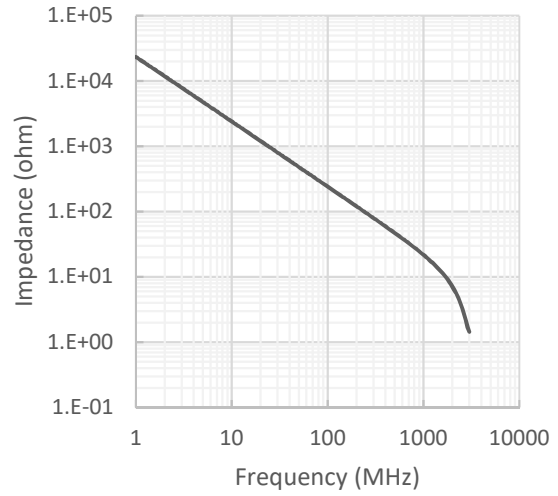
TDK Product Name	Varistor voltage (Breakdown voltage)	Rated voltage	Clamping voltage		Capacitance	Insertion Loss
	DC1mA	DC	8/20µs		1MHz, 1Vrms	
		Max.	Typ.		Typ.	Max.
	V1mA	Vdc	Vcl	Icl	C	IL
	(V)	(V)	(V)	(A)	(pF)	(dB)
AVRF101U6R8KT242	39(35~43)	28	76	1	6.8(6.12~7.48)	-20 (2.4GHz)

# Multilayer Chip Varistor : AVR101U6R8KT242

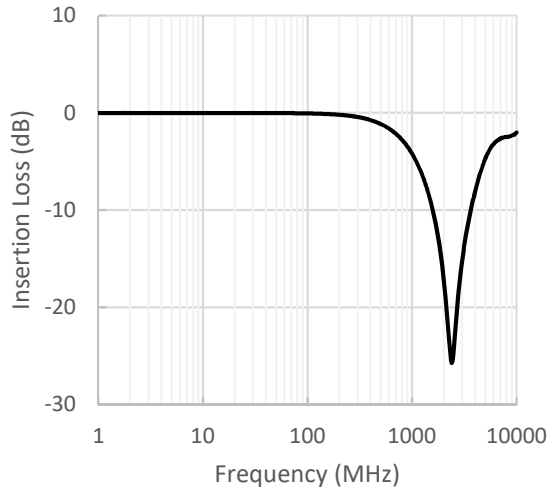
### Current-Voltage Curve



### Impedance-Freq.



### Insertion Loss



### Capacitance-Freq.

