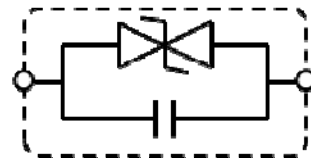


Multilayer Chip Varistor : AVRF101U6R8KT242

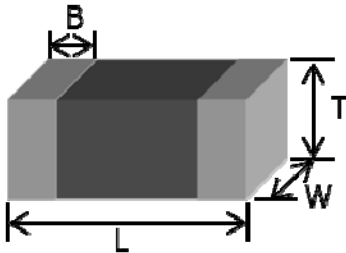
Features

- 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

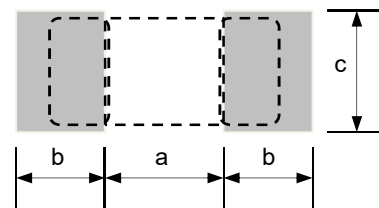


Shapes & Dimensions



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)

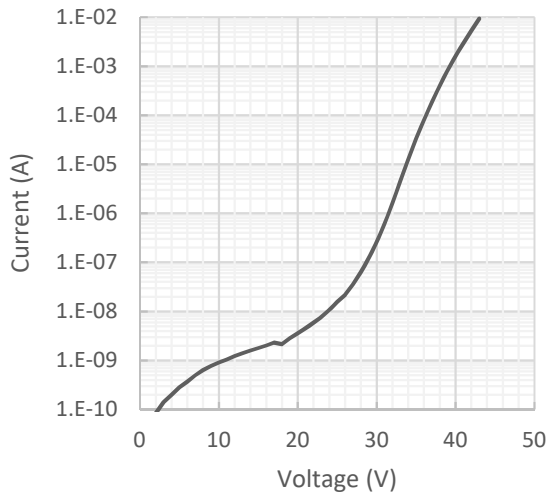
(1)	Series name / AVRF
(2)	Dimension / 1005:1.0x0.5(mm)
(3)	Maximum continuous voltage / 1U : 28(V)
(4)	Capacitance / 6R8 : 6.8(pF)
(5)	Capacitance tolerance / K : ±10(%)
(6)	Packaging scheme / T : Taping
(7)	Insertion loss frequency / 242:24x10 ² (MHz)

Electrical Characteristics

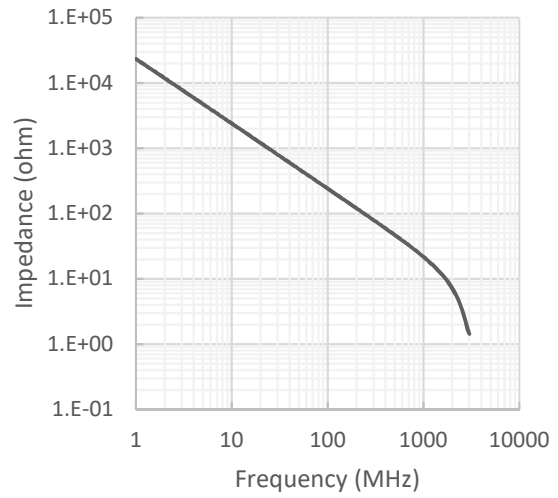
TDK Product Name	Varistor voltage (Breakdown voltage)	Rated voltage	Clamping voltage		Capacitance	Insertion Loss
	DC1mA	DC	8/20µs		1MHz, 1Vrms	
		Max.	Typ.		Typ.	Max.
	V1mA	Vdc	Vcl	Icl	C	IL
	(V)	(V)	(V)	(A)	(pF)	(dB)
AVRF101U6R8KT242	39(35~43)	28	76	1	6.8(6.12~7.48)	-20 (2.4GHz)

Multilayer Chip Varistor : AVR101U6R8KT242

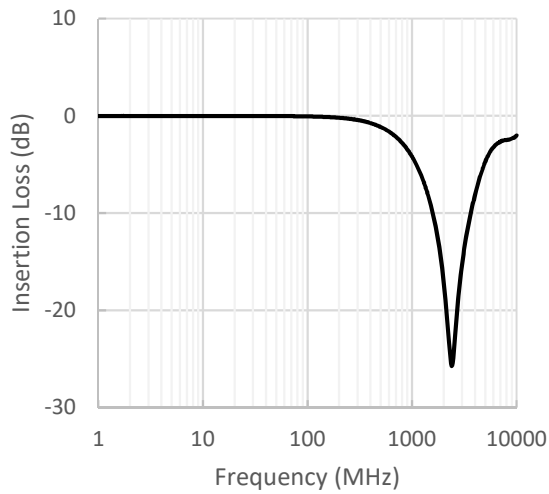
Current-Voltage Curve



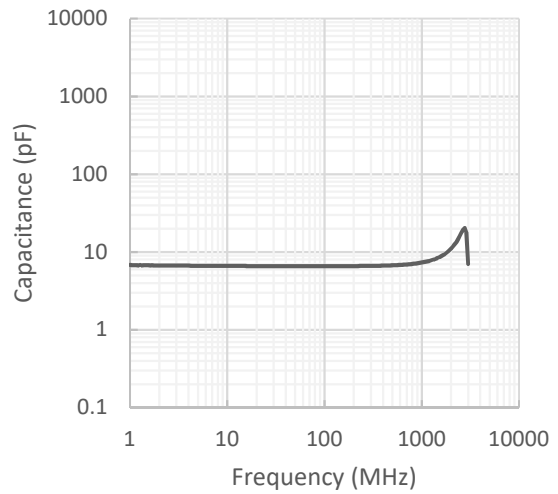
Impedance-Freq.



Insertion Loss



Capacitance-Freq.



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[B72260B251K1](#) [B72280B0381K001](#) [B72280B0461K001](#) [B72280B271K1](#) [B72650M0151K093](#) [B72660M0271K093](#) [S10K11G5S5](#) [ERZ-](#)
[C07DK221U](#) [TND10V-471KB00AAA0](#) [B72205S301K211](#) [B72207S141K111](#) [B72210S271K111](#) [B72214S350K551](#) [B72220P3351K101](#)
[B72280B0231K001](#) [B72280B112K1](#) [B72280B381K1](#) [B72590D360A60](#) [B72650M0400K072](#) [B72650M0500K072](#) [B72660M0200K072](#)
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[B72210P2511K101](#) [B72214S271K501](#) [B72220P3551K101](#) [B72240B681K1](#) [B72650M350K72](#) [TVZ20ECN511KBS](#) [TVZ20EC911KBS](#)
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