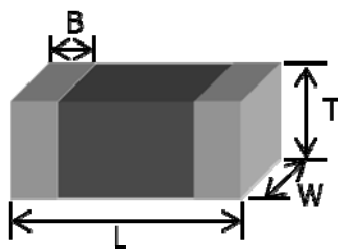


ESD Notch Filters : AVRF060X100LT242

Features

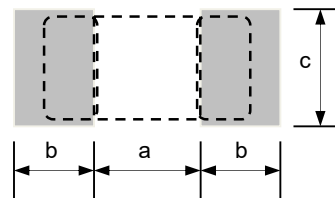
- Suppression of TDMA noise by wireless communications
- Improved receiver sensitivity for wireless communications
- Electronic circuits is protected from ESD with the adoption of varistor material
- Commercial grade
- Size : EIA0201 (0.6x0.3mm)
- High ESD durability : IEC61000-4-2, 8kV (Level4)
- Operating temperature range : -40°C ~ 85°C

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

AVRF	06	0X	100	L	T	242
(1)	(2)	(3)	(4)	(5)	(6)	(7)

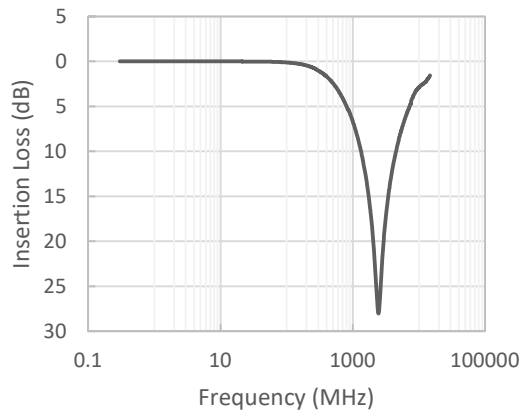
(1)	Series name / AVRF Series
(2)	Dimension / 06:0.6x0.3(mm)
(3)	Maximum continuous voltage / 0X : 7(V)
(4)	Capacitance / 100:10x10 ⁰ (pF)
(5)	Capacitance tolerance / L : ±15(%)
(6)	Packaging scheme / T : Taping
(7)	Notch Freq. / 242:24x10 ² (MHz)

Electrical Characteristics

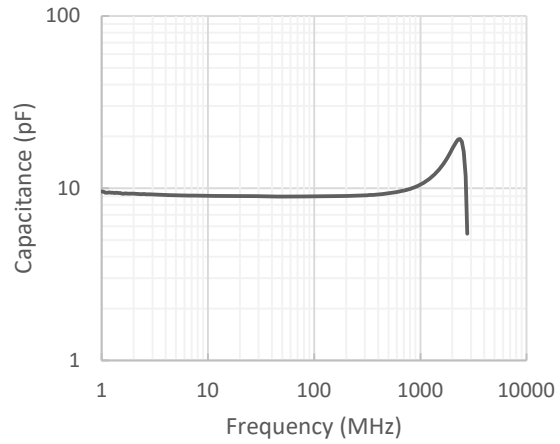
TDK Product Name	Insertion Loss	Rated voltage	Breakdown voltage	Capacitance	ESD durability IEC61000-4-2	Application
		DC	DC1mA	1MHz,1Vrms	150pF/330Ω	
	Min.	Max.				
	IL	Vdc	Vbr	C		
	(dB)	(V)	(V)	(pF)		
AVRF060X100LT242	20 (2.4GHz)	7	12.8(10.0~15.6)	10(8.5~11.5)	8kV (Level4)	WiFi/Bluetooth

ESD Notch Filters : AVRF060X100LT242

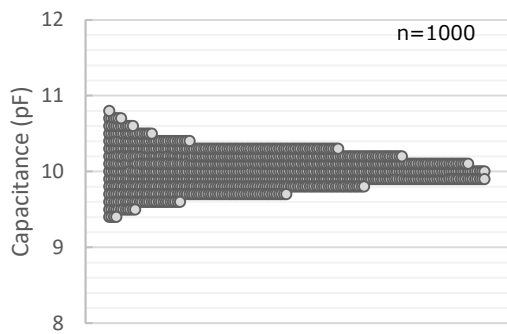
Insertion Loss



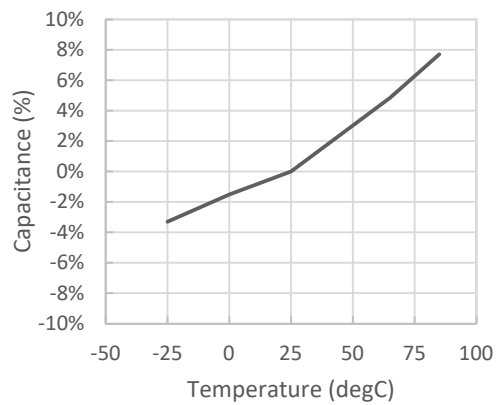
Capacitance - Freq.



Capacitance Dispersion

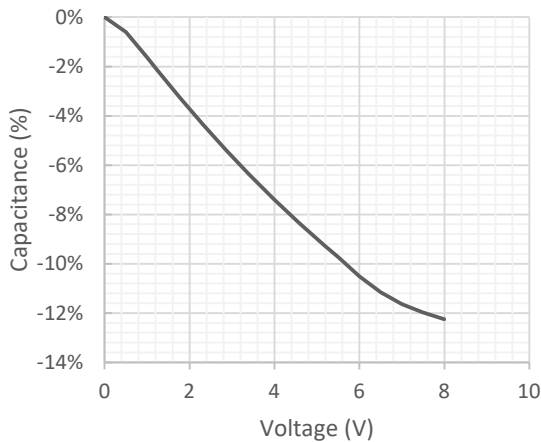


Capacitance - Temp. ※1MHz, 1Vrms

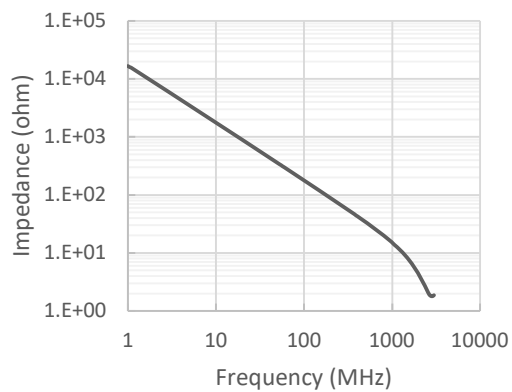


DC bias

※1MHz, 1Vrms

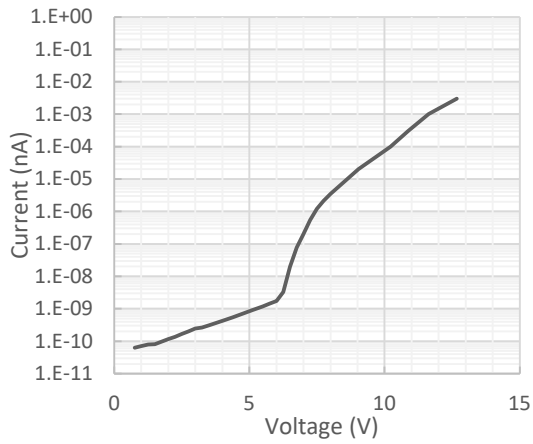


Impedance - Freq.

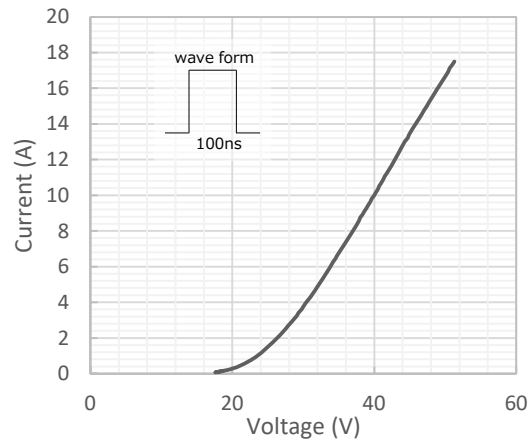


ESD Notch Filters : AVRF060X100LT242

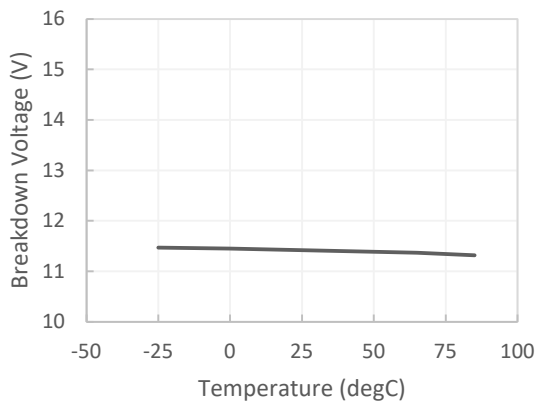
Current - Voltage



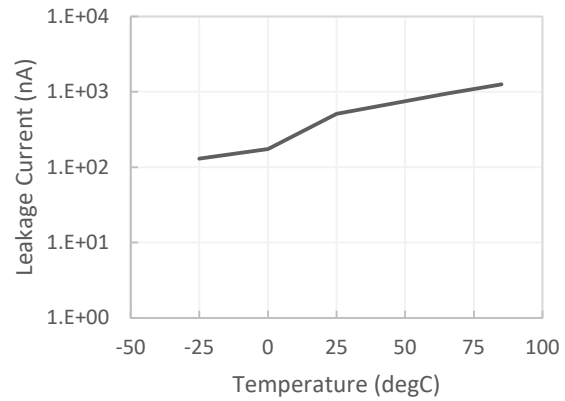
Current - Voltage (TLP)



Breakdown Voltage - Temp.



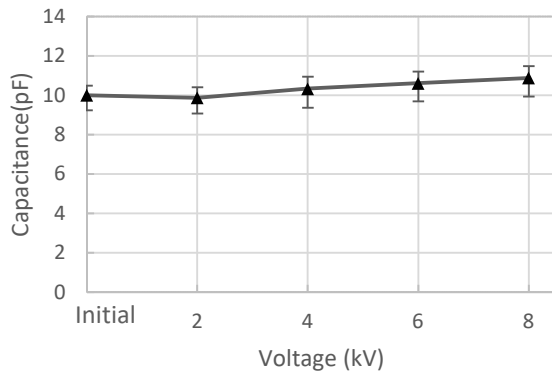
Leakage current - Temp.



※ Voltage : 7 V

ESD Discharge

▶ 150pF/330ohm, ~±8kV, 10times



※Criteria : Capacitance $\leq$ 12.6 pF