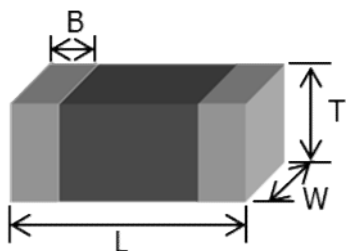


ESD Notch Filters : AVRF161Q861LT201

Features

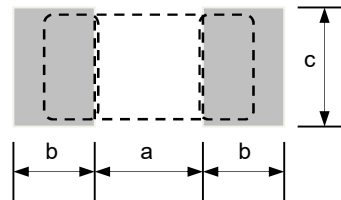
- Suppression of TDMA noise by wireless communications
- Improved receiver sensitivity for wireless communications
- Electronic circuits is protected from ESD with the adoption of varistor material
- Commercial grade
- Size : EIA0603 (1.6x0.8mm)
- High ESD durability : IEC61000-4-2, Contact-25kV
- Operating temperature range : -40℃ ~ 85℃

Shapes & Dimensions



	Unit / mm			
EIA	L	W	T	B
0603	1.6±0.1	0.8±0.1	0.8±0.1	0.2 Min.

Recommended PCB Pattern



	Unit / mm		
EIA	a	b	c
0603	0.6 to 0.8	0.6 to 0.8	0.6 to 0.8

Product Identification

AVRF	16	1Q	861	L	T	201
(1)	(2)	(3)	(4)	(5)	(6)	(7)

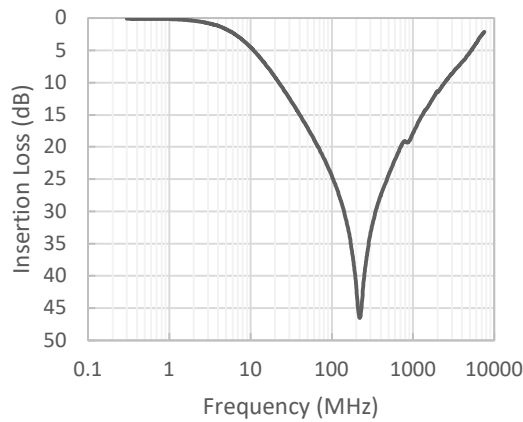
(1)	Series name / AVRF Series
(2)	Dimension / 16:1.6x0.8(mm)
(3)	Maximum continuous voltage / 1Q : 19(V)
(4)	Capacitance / 861:86x10 ⁻¹ (pF)
(5)	Capacitance tolerance / L : ±15(%)
(6)	Packaging scheme / T : Taping
(7)	Insertion loss / 201:20x10 ⁻¹ (MHz)

Electrical Characteristics

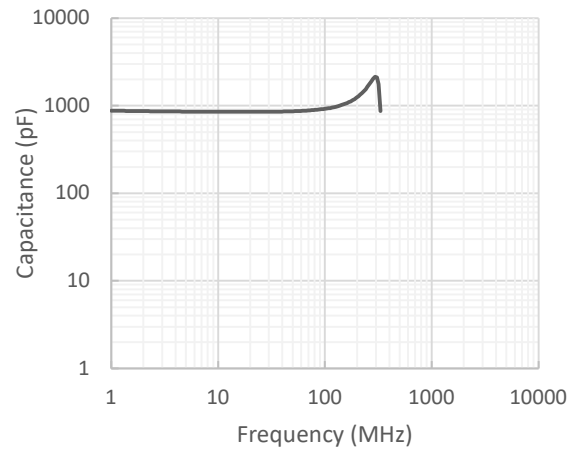
TDK Product Name	Insertion Loss	Rated voltage	Breakdown voltage	Capacitance	ESD durability IEC-61000-4-2	Application
		DC	DC1mA	1MHz,1Vrms	150pF/330Ω	
	Min.	Max.				
	IL	Vdc	Vbr	C		
	(dB)	(V)	(V)	(pF)		
AVRF161Q861LT201	20 (200MHz)	19	27.0 (24.0~30.0)	860 (731~989)	Contact-25kV	Class D-Amp Noise

Multilayer Chip Varistor : AVR161Q861LT201

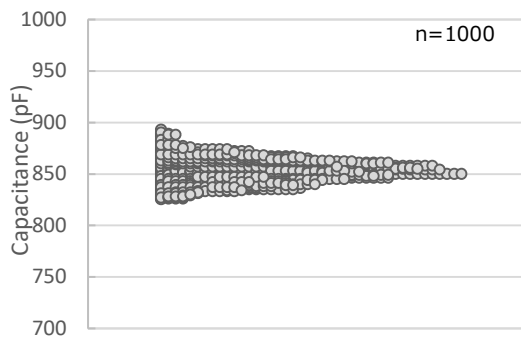
Insertion Loss



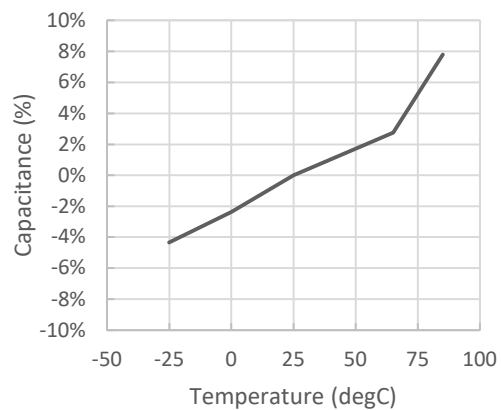
Capacitance - Freq.



Capacitance Dispersion

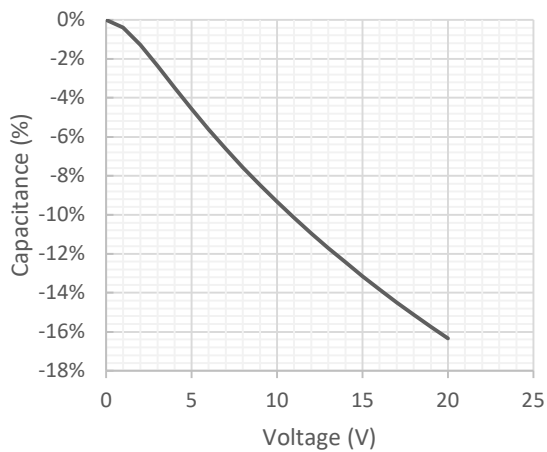


Capacitance - Temp. ※1MHz, 1Vrms

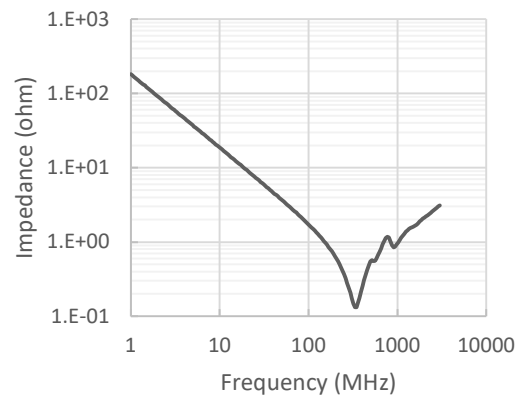


DC bias

※1MHz, 1Vrms

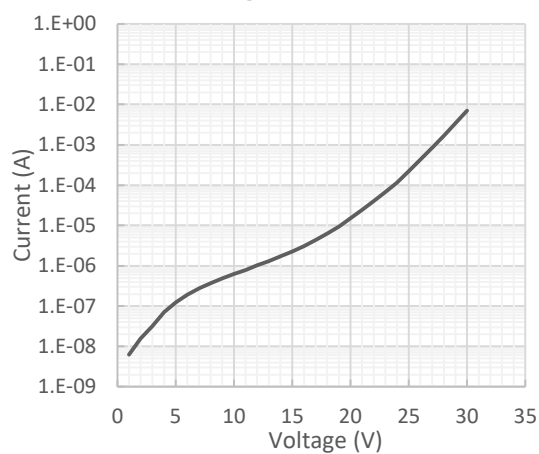


Impedance - Freq.

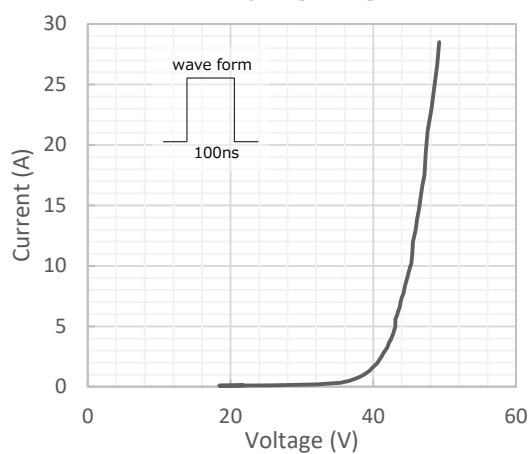


Multilayer Chip Varistor : AVR161Q861LT201

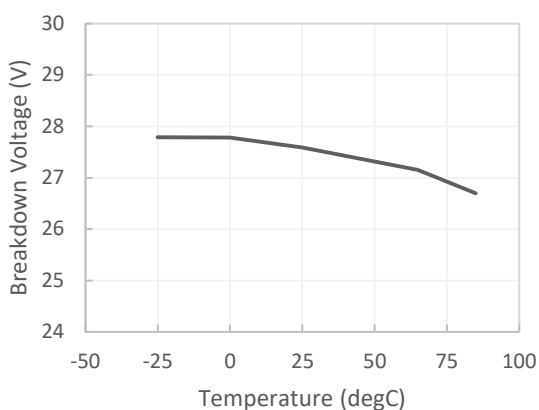
Current - Voltage



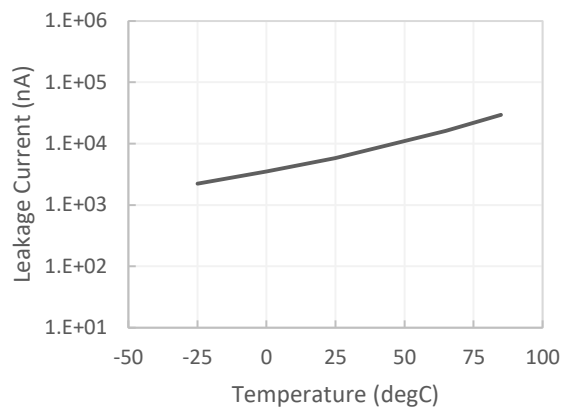
Current - Voltage (TLP)



Breakdown Voltage - Temp.



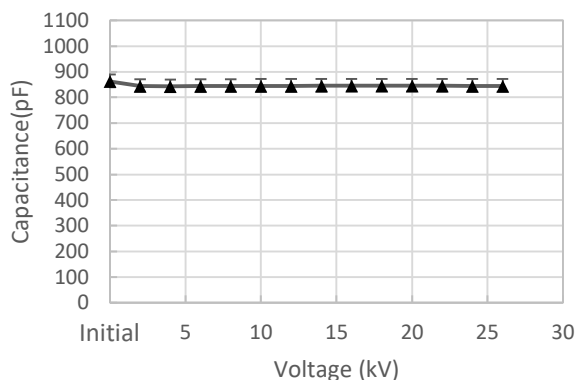
Leakage current - Temp.



※ Voltage : 19 V

ESD Discharge

▶ 150pF/330ohm, ~±25kV, 10times



※Criteria : Capacitance $\leq$ 1090 pF