



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



MULTILAYER CHIP VARISTOR

0201 Ultra Low Capacitance Type

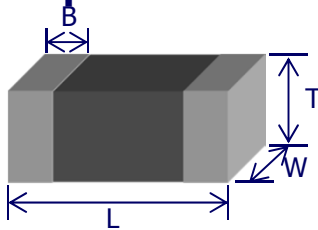
Features

- 0201(0.6x0.3mm) Chip Size.
- Ultra Low Capacitance for High Speed Signal Line. (0.5pF)
- High ESD Robustness Characteristics, and Excellent ESD Clamping Characteristics.

Applications

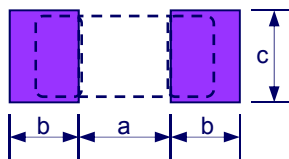
- ESD Protection for Signal Line(HDMI, USB, SATA etc.)
- Filter Circuit for EMI Measures
- Cellular Phone, DVC, DSC, Note PC, Portable Music Player, PDA etc.

Shapes & Dimensions



SIZE	L	W	T	B
0.6x0.3mm	0.6±0.03	0.3±0.03	0.3±0.03	0.1 Min.

Recommended PCB Pattern



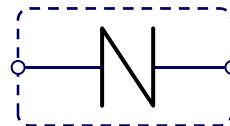
SIZE	a	b	c
0.6x0.3mm	0.25 to 0.35	0.2 to 0.3	0.25 to 0.35

Naming Conventions

AVRL	06	1F	R50	E	T	A
(1)	(2)	(3)	(4)	(5)	(6)	(7)

(1)	Series name / AVRL
(2)	Dimension / 06:0.6x0.3(mm)
(3)	Rated voltage / 1F:30(V)
(4)	Capacitance / R50:0.50(pF)
(5)	Capacitance tolerance / E:±0.2(pF)
(6)	Packaging scheme / T:Taping
(7)	Varistor Voltage & TDK Internal Code

Circuit Symbol



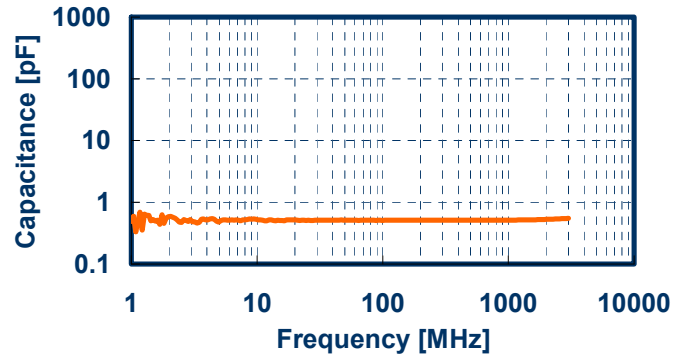
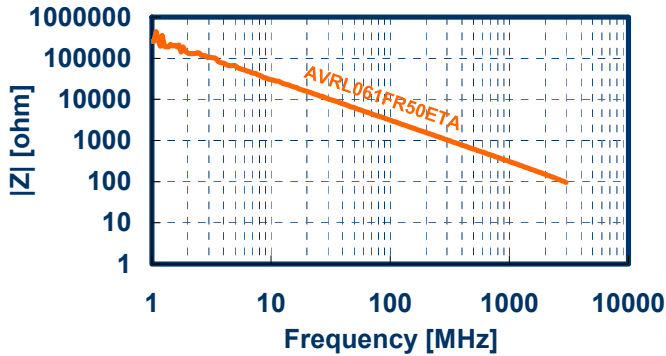
Electrical Characteristics

Part No.	Rated Voltage (Vdc) (V)	Capacitance (C1MHz) (pF)	Varistor Voltage (V1mA) (V)	ESD IEC61000-4-2, Contact
AVRL061FR50ETA	30 Max.	0.5 (0.3 ~ 0.7)	140 Typ.	±4kV

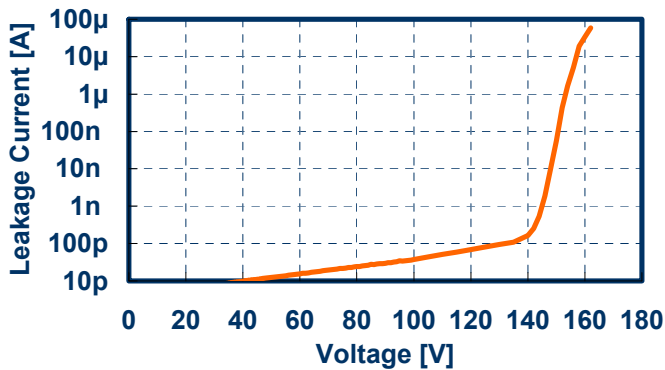
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|Z|, Cp vs. Frequency Characteristics



Current vs. Voltage Curve



ESD Clamping Characteristics

