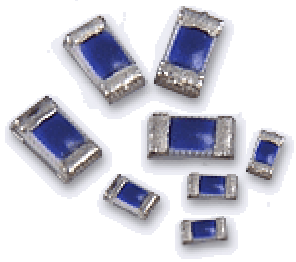
ESD VARISTOR

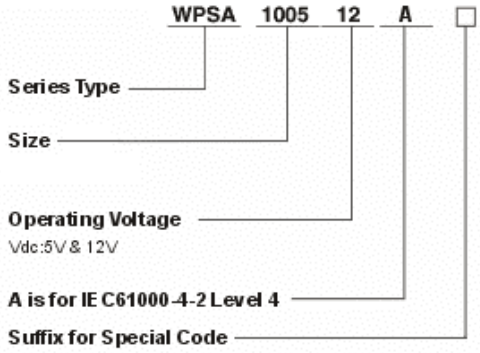
WPSA Series

Low Capacitance, Compact size (EIA0603 & 0402),
Protection against high ESD voltages and currents,
Quick response time, Very low current leakage,
Zero signal distortion, Bi-directional



Explanation of Part Number

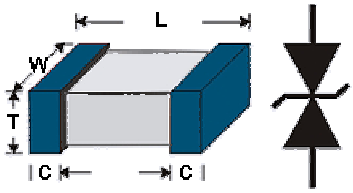
Example Part Number:



Applications

1. RF module
2. Antenna circuit
3. DVI port
4. IEEE-1394 & USB2.0 port
5. High Speed Protocols

Dimensions



	1005	1608
L	1.00 ± 0.05 (0.04 ± 0.002)	1.60 ± 0.10 (0.063 ± 0.004)
W	0.50 ± 0.05 (0.02 ± 0.002)	0.80 ± 0.10 (0.032 ± 0.004)
T	0.35 ± 0.10 (0.01 ± 0.004)	0.55 ± 0.10 (0.022 ± 0.004)
C	0.20 ± 0.10 (0.01 ± 0.004)	0.30 ± 0.20 (0.010 ± 0.008)

Unit : millimeters (inches)

Specifications

Part No.	Maximum Operating Voltage (V)	Clamping Voltage (Vc) *1	Capacitance@1M Hz (Cp) *2	Trigger Voltage (Vt)	Leakage Current (IR) *3
WPSA-1005-5-A	5V	17V typ. 30V max	0.2pF typ. 1pF max	100V typ.	0.05uA typ.
WPSA-1608-12-A	12V	30V typ., 50V max	0.2pF typ., 1pF max	125V typ.	0.01μA typ.
WPSA-1608-5-A	5V	20V typ., 35V max	0.2pF typ., 1pF max	125V typ.	0.05μA typ.

*1Vc-Per IEC61000-4-2, level 4, 30A @ 8KV ,clamp voltage measurement made 30ns after initiation of pulse (16A), all test in contact discharge mode.
*2 Cp-device capacitance measured with 1Vrms
*3 IR- Leakage current at operating voltage

Additional Items	General Specification
ESD Contact Discharge Capability	15KV max
ESD Air Discharge Capability	25KV max
Minimum ESD Withstand Pulse	>100
Response Time	<1ns
Operating Temperature	-55 ~ +85°C
Solderability	235°C, 2s
Solder Leach Resistance	260°C, 10s