
**FEATURES**

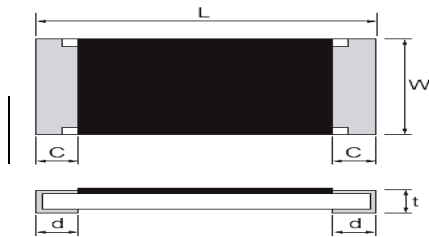
- Low capacitance (<0.2pF)
- Ultra low leakage current (<1nA)
- Zero signal distortion
- Fast response time
- Bi-direction device

**HOW TO ORDER**

UMSA	06	A	05	T	1	V1
Product Code	Size	Tolerance	Operating Voltage	Packaging	Typical Clamping Voltage	Typical Trigger Voltage
Ultra-Low Capacitance MAX Guard Suppressor	04: 0402 (1005) 06: 0603 (1608)	A: Suit For IEC6100-4-2  C: Suit For IEC6100-4-2&AEC-Q200	03: 3.3V 05: 5.5V 12: 12V 24: 24V	T: Paper Tape (5K/10K)	1: 17V 2: 25V	V1: 150V V2: 250V

**APPLICATIONS**

- Cell / smart phone
- Computers / Laptops
- Digital cameras
- PDA's
- Plasma display panels / LCD / TVs/ HDTVs
- Mp3 / Multimedia players
- Scanner / Printer
- Ultra-high speed data ports USB 2.0, IEEE1394, DVI HDMI, High Speed Ethernet.

**SCHEMATIC**

**DIMENSIONS (mm)**

Size	L	W	C	D	T
UMS04 (0402)	1.00±0.1	0.50±0.05	0.20±0.1	0.25±0.1	0.35±0.05
UMS06 (0603)	1.55±0.1	0.80±0.1	0.30±0.2	0.30±0.2	0.45±0.1

**ELECTRICAL CHARACTERISTICS**

Type	Continuous Operating Voltage (Max.)	ESD Capability <sup>1</sup>	Trigger Voltage (Typ.) <sup>2</sup>	Clamping Voltage (Typ.) <sup>2</sup>	Capacitance <sup>3</sup>	Leakage Current (Typ.)	Response Time	ESD Pulse Withstand (Typ.) <sup>4</sup>
UMS04A03T1V1	3.3 VDC	Direct Discharge: 8KV Air Discharge: 15KV	150v	17v	<0.05pF	<1nA	<1ns	>1000 pulses
UMS06A03T1V1			250v	25v				
UMS04A03T2V2	5.5 VDC		150v	17v				
UMS06A03T2V2			250v	25v				
UMS04A05T1V1	12 VDC		150v	17v				
UMS06A05T1V1			250v	25v				
UMS04A05T2V2	24 VDC		150v	17v				
UMS06A05T2V2			250v	25v				
UMS04A12T2V2	24 VDC		150v	17v				
UMS06A12T2V2			250v	25v				
UMS04A12T1V1	24 VDC		150v	17v				
UMS06A12T1V1			250v	25v				
UMS04A24T1V1	24 VDC	150v	17v					
UMS06A24T1V1		250v	25v					
UMS04A24T2V2	24 VDC	150v	17v					
UMS06A24T2V2		250v	25v					

- The function meets with the requirement of IEC 61000-4-2 specification.
- Trigger measurement made using Transmission Line Pulse method.
- Capacitance measured at 1 M~1.8 GHz.
- Performing under IEC 61000-4-2 level 4 (8KV contact discharge, 15KV air discharge).