

## FEATURES

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

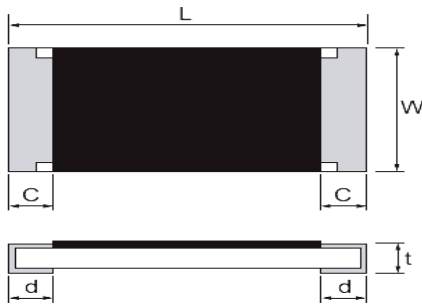
## HOW TO ORDER

MS	06	A	05	T	2	V2
Product Code	Size	Tolerance	Operating Voltage	Packaging	Typical Clamping Voltage	Typical Trigger Voltage
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
- High speed data ports USB 2.0,  
IEEE1394

## SCHEMATIC



## DIMENSIONS (mm)

Size	L	W	C	D	T
MS04 (0402)	1.00±0.1	0.50±0.05	0.20±0.1	0.25±0.1	0.35±0.05
MS06 (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	Trigger Voltage (Typ.)	Clamping Voltage (Typ.)	Capacitance	Leakage Current (Typ.)	Response Time	ESD Pulse Withstand (Typ.)
MS04A03T1V1	3.3 VDC	Direct Discharge: 8KV Air Discharge: 15KV	150v	17v	<0.05pF	<1nA	<1ns	>1000 pulses
MS06A03T1V1			250v	25v				
MS04A03T2V2	5.5 VDC		150v	17v				
MS06A03T2V2			250v	25v				
MS04A05T1V1	12 VDC		150v	17v				
MS06A05T1V1			250v	25v				
MS04A05T2V2	24 VDC		150v	17v				
MS06A05T2V2			250v	25v				
MS04A12T2V2	24 VDC		150v	17v				
MS06A12T2V2			250v	25v				
MS06A12T1V1	24 VDC		150v	17v				
MS06A12T2V2			250v	25v				
MS04A24T2V2	24 VDC	150v	17v					
MS06A24T2V2		250v	25v					
MS06A24T1V1	24 VDC	150v	17v					
MS06A24T2V2		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).