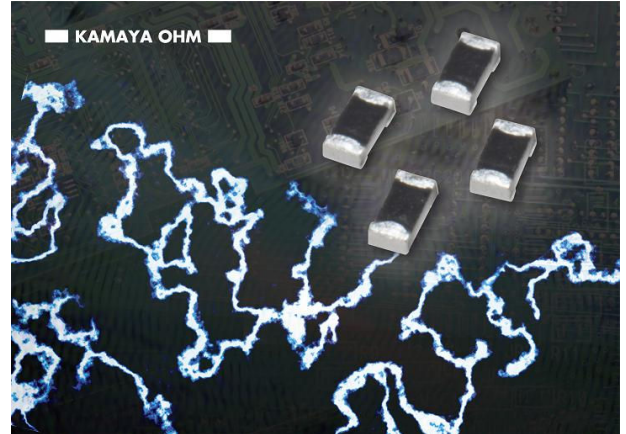


ESD Suppressor/High ESD Withstand (15kV); RECTANGULAR TYPE **HSPC16 Series**

HSPC SERIES

Features

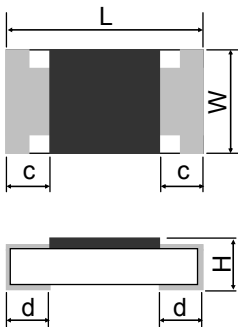
- High ESD protection performance(15kV) for automotive (Tight ESD spec requirement) IEC61000-4-2 Air Discharge: ±15kV
- Low capacitance 0.1pF Max. Suitable for ESD protection of High Speed data lines.
- High Insulation & High ESD withstand performance.
- RoHS Directive Compliance
*Pb Free, Halogen Free & Antimony Free



Major Applications

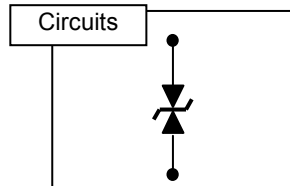
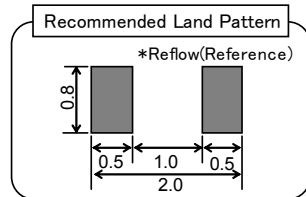
- ESD Protection for RF Circuits. Car audio, Car Navigation System etc. AM/FM, DTV Antenna etc.
- ESD Protection for High Speed Signal Line. Video Camera, DSC, Desk top-PC. Note PC etc. HDMI, USB2.0, IEEE1394, LAN etc.

Dimension



Unit: mm

Style	L	W	H	c	d
HSPC16	1.6±0.1	0.8+0.15/-0.05	0.5±0.1	0.3±0.1	0.3±0.1



Ratings

Part Number	Capacitance ^{*1} (pF)	ESD Characteristics IEC61000-4-2 15kV Air Discharge			Rated Voltage (V)	Leakage Current (μA)	Category Temperature Range (°C)
		Peak Voltage ^{*2} (V)	Clamp Voltage ^{*3} (V)	Pulse Withstand (Pulses)			
HSPC16701B02**	0.2 Max.	700 Max.	100 Max.	100 Min.	20 Max.	1 Max.	-55 to+125

*1 Capacitance: Measured at 1MHz, 1V rms.
 *2 Peak Voltage: Measured at IEC61000-4-2 15kV Air Discharge
 *3 Clamp Voltage: Measured at IEC61000-4-2 15kV Air Discharge, at 30ns

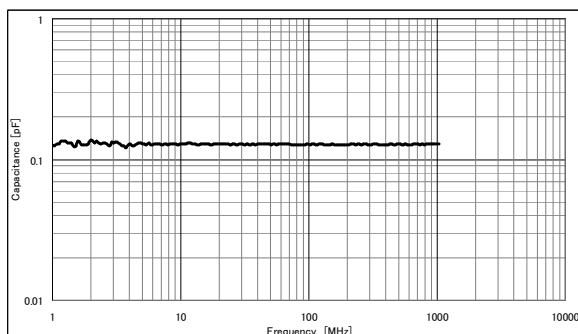
Part Number Description

Example

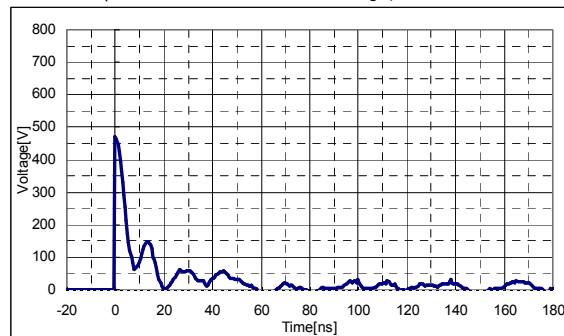
HSPC	16	701	B	02	TP
Product Type	Size	Peak Voltage	Rated Voltage	Option Code	Packing
HSPC	16:1608 (0603)	e.g.: 701: 700V	B 20V Max.	02 (STD) Capacitance 0.2pF Max.	B: Bulk TP: Paper Tape

Typical Characteristics Data

◆ Frequency Characteristics Typical (1V rms.)



◆ ESD Suppression Voltage Waveform Typical (IEC61000-4-2 15kV Air Discharge)



*They could be changed with different conditions.

Details are subject to be change without prior notice.