

Other Data

Body

End termination

Packaging

Complies with Standard

ZnO

Ag/Ni/Sn

Tape

IEC61000-4-2、IEC61000-4-5

Notes:

*1 AC voltage at 50~60Hz

*2 Varistor voltage

*3 Capacitance

*4 Maximum clamping voltage

*5 Rated peak single pulse transient current

Measured at 1mA DC

Measured at f=1kHz, Vrms=0.5V

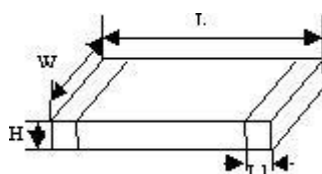
Measured at 1A by 8/20μs Pulse

Measured by 8/20μs Pulse

Size:

Unit: mm

PKG	Length (L)	Width (W)	High (H)	Termination (L1)
0402	1.00±0.20	0.50±0.20	0.70 (max)	0.30±0.20



Standards

KRN ① 0402 ② ESDA ③ XX ④

①production series: KRN

②size: 0402

③type: ESD高分子保护器件

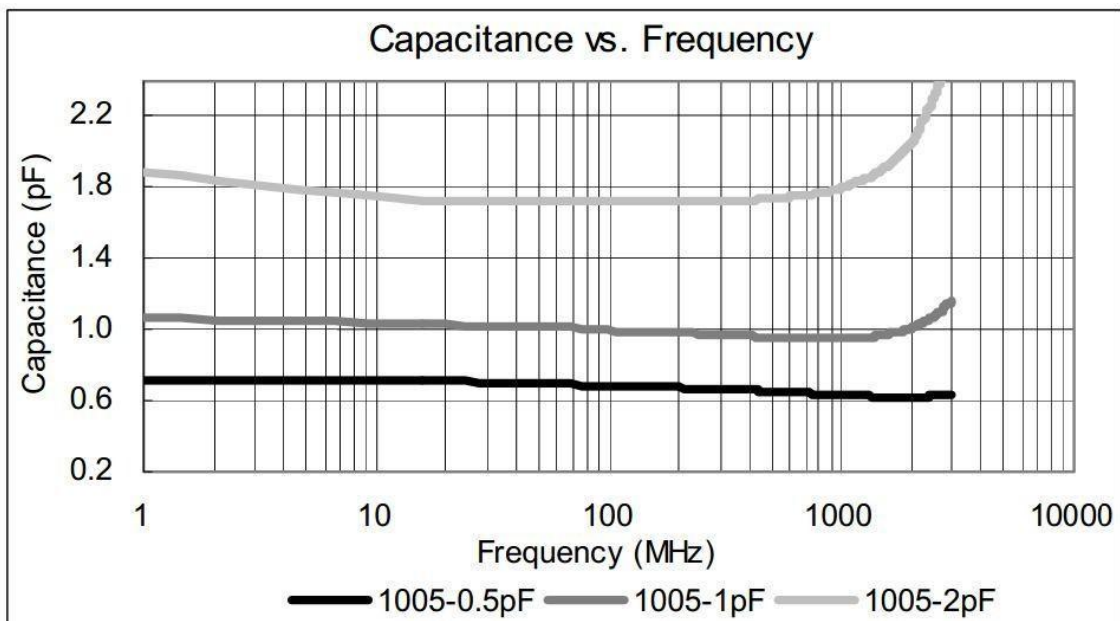
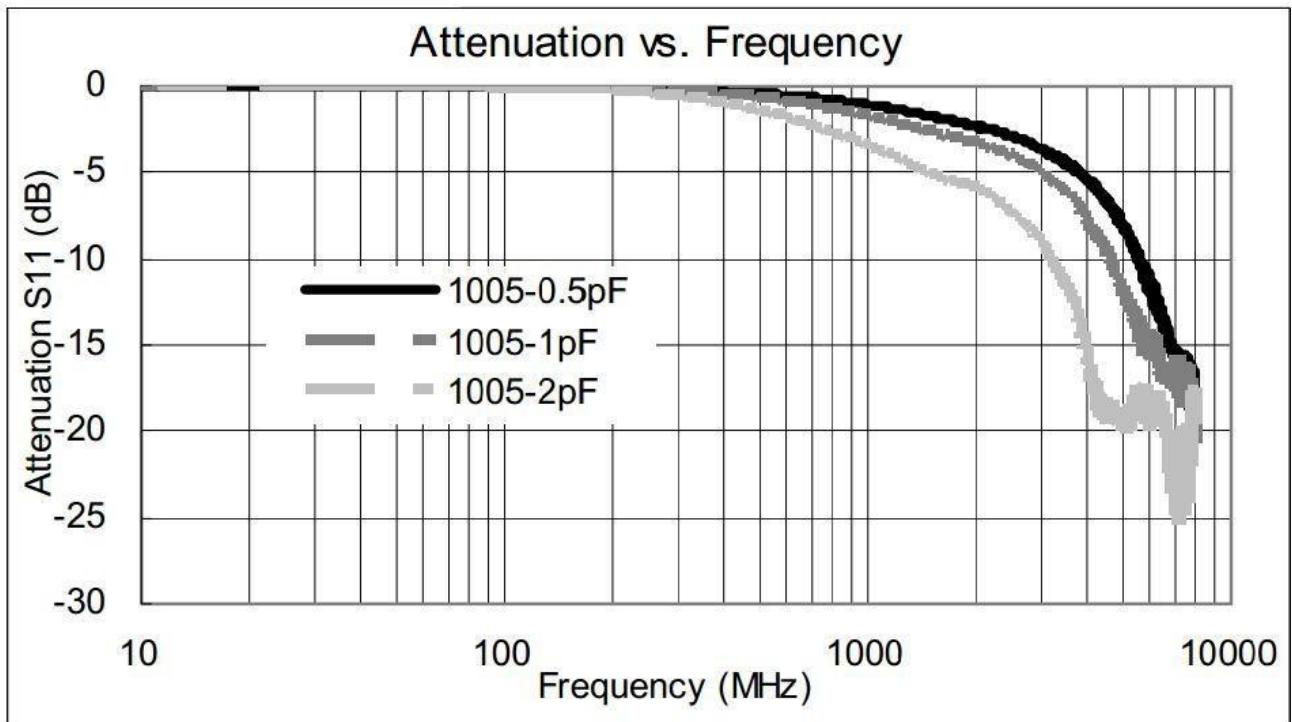
④ V_{DC} : 5V 9V 12V 14V 18V 24V

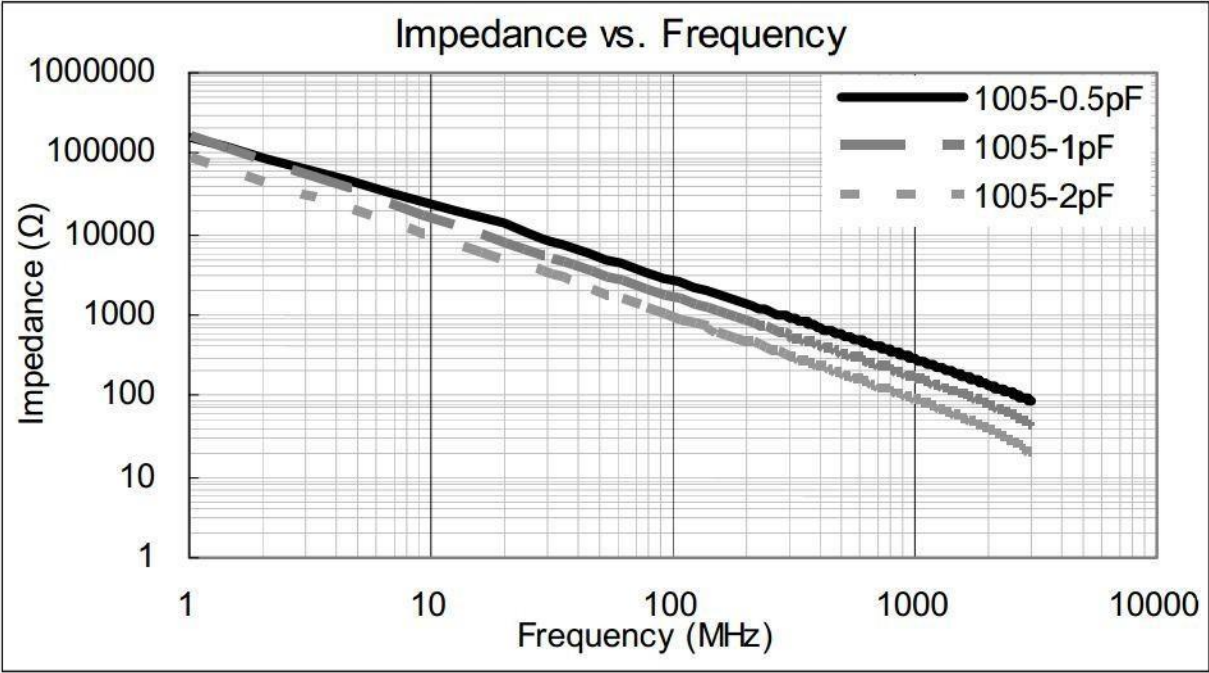
Technical Data	Symbol	Value	Unit
Maximum allowable continuous DC voltage	V _{DC}	5.0	V
Varistor voltage Measured*2	V _B	130	V
Varistor voltage tolerance		±20	%
Typical capacitance value measured*3	C	3.0	pF
Typical capacitance value tolerance		±0.3	PF
Maximum clamping voltage measured*4	V _C	250	V

Reference Data

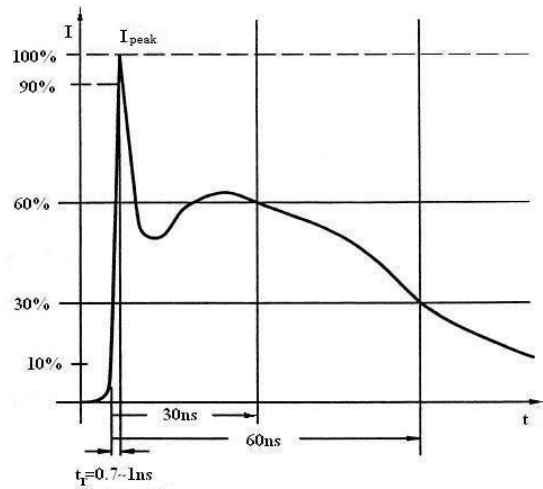
Response time	T _{rise}	<1	ns
Leakage current at V _B ×80%(At initial state)	I _{LVB}	<20	μA
Leakage current at V _B ×80%(After reliability Test)	I _{LVBA}	<100	μA
Operating ambient temperature		— 55~+125	°C
Storage temperature		— 40~+125	°C
Reflow temperature profile(Recommend)		260	°C

V-I characteristic





Esd Wave Form



SEVERITY LEVEL	AIRDIRCHARGE	DIRECT ISCHARGE
1	2 kV	2 kV
2	4 kV	4 kV
3	8 kV	6 kV
4	15 kV	8 kV

IEC61000-4-2 Compliant ESD Current Pulse Waveform