

Surface Mount Polymeric ESD Suppressor

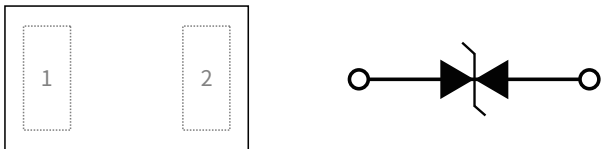
Features

- Low leakage current
- Fast response time
- 0603 surface mount package
- IEC 61000-4-2 (ESD Air): ±15kV
- IEC 61000-4-2 (ESD Contact): ±8kV

Applications

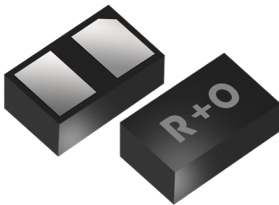
- USB 3.0/3.1
- HDMI 1.3/1.4/2.0
- RF Antenna
- SATA and eSATA interface
- Smart Phone/Mobile Internet

Function Diagram

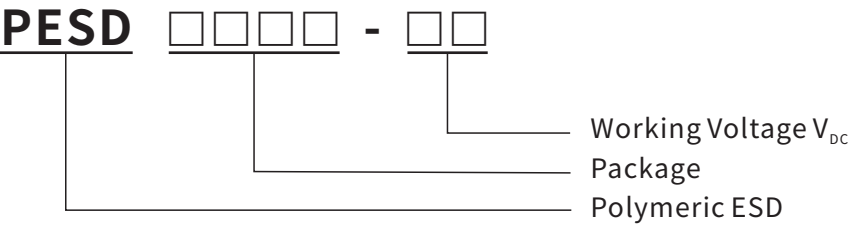


Reverse Working Voltage
12V Max.
Ultra Low capacitance
0.05pF(Typ)

0603 Series



Part Number Code



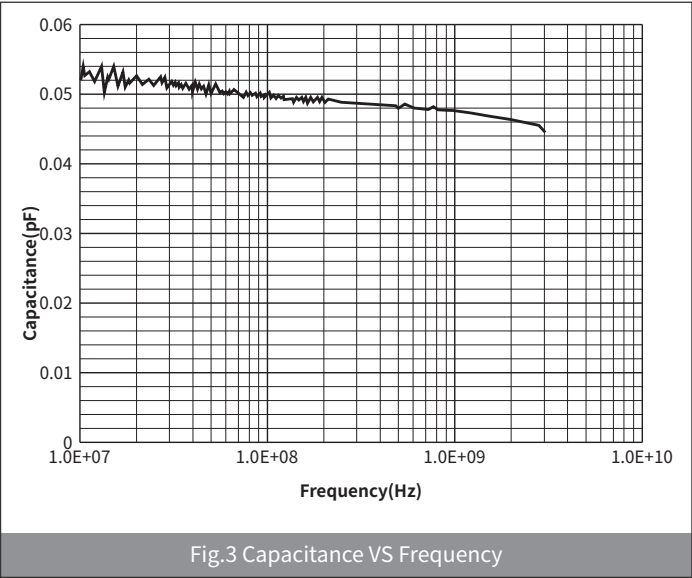
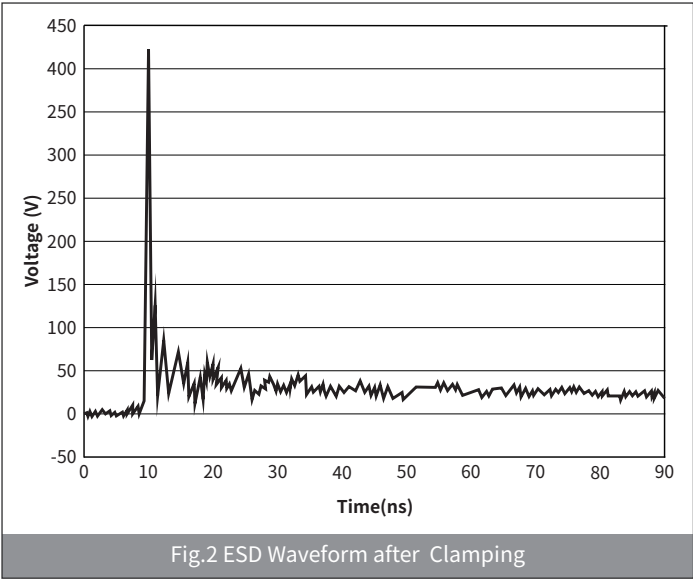
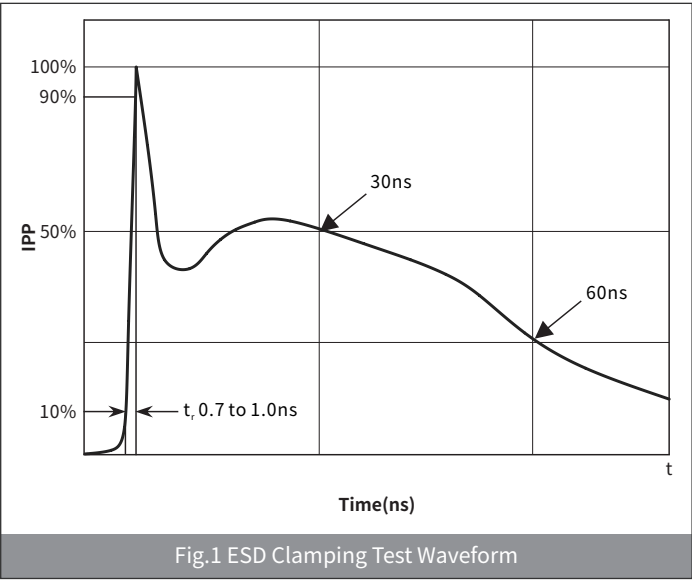
Maximum Ratings (Ta=25°C Unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
V_{ESD}	Electrostatic Discharge Voltage	ESD per IEC 61000-4-2(Air)	±15	KV
		ESD per IEC 61000-4-2(Contact)	±8	KV
T_J	Operating JunctionTemperature Range	—	-55 to +125	°C
T_{STG}	Operating JunctionTemperature Range	—	-40 to +85	°C

● Electrical Characteristics (Ta=25°C Unless otherwise specified)

PARAMETER	SYMBOL	CONDITION	Min	Typ	Max	UNIT
Continuous Operating Voltage	V_{DC}	$T_a=25^{\circ}C$	—	—	12.0	V
Trigger Voltage	V_T	IEC61000-4-2 8kV contact discharge	—	450	—	V
Reverse Leakage Current	I_R	DC 5V shall be applied on component	—	—	10	nA
Clamping Voltage	V_C	IEC61000-4-2 8kV contact discharge	—	40	—	V
Capacitance	C_J	Measured at 10MHz	—	0.05	—	pF

● Ratings And Characteristics Curves (Ta=25°C Unless otherwise specified)



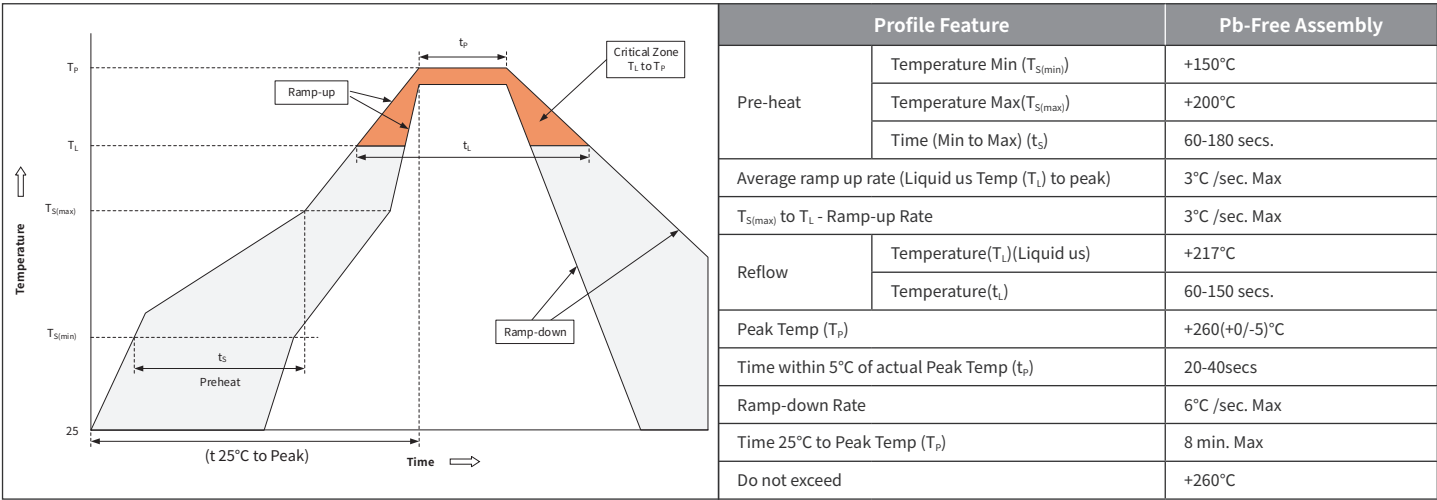
PESD0603-12

Bi-directional 12V Ultra Low Capacitance ESD

Ordering Information

PREFERED P/N	PACKAGE	SIZE(mm)	DELIVERY MODE	MPQ(PCS)
PESD0603-12	0603	1.60×0.80×0.40	7" REEL	5,000

Recommended Soldering Conditions



Package Outline Dimensions (0603 package)

