

RAYCHEM PESD and SMD Chip Fuses

tyco

Electronics

RAYCHEM POLYMER ESD PROTECTORS

Raychem PESD devices are designed for use in low capacitance applications, such as designs with high speed data transmission needs. The compact design offers board space savings and longer battery life due to low leakage current. Features include thick film technology, capacitance typically less than .2pF, low leakage current, trigger and clamping voltages, and a response time less than 1ns. These devices are capable of withstanding numerous ESD strikes and are compatible with standard reflow installation procedures.

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TECHNOLOGY

Features:

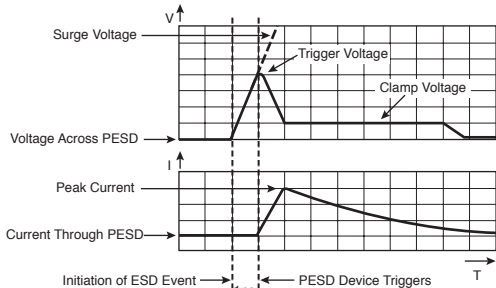
- Storage and Operating Temperature: -40°C - +85°C
- ESD Pulse Withstand: 100 pulses min., 500 pulses typ. (tested per IEC 61000-4-2, level 4, contact method)
- ESD Voltage Capability (tested per IEC 6100-4-2)
- Contact Discharge Mode: 8kV typ., 15kV max.
- Air Discharge Mode: 15kV typ., 25kV max.
- ROHS Compliant
- ELV Compliant

Applications for 650-PESD0402-060 and 650-PESD0603-140:

- Cellular Phones
- Antennas
- Portable Devices
- Printer Ports
- High Speed Ethernet
- DVI and HDMI Interfaces
- USB 2.0 and IEEE 1394 Interfaces

Applications for 650-PESD1206Q-140:

- Portable Devices
- Printer Ports
- High Speed Ethernet
- DVI and HDMI Interfaces
- USB 2.0 and IEEE 1394 Interfaces



Note:

- Measured during IEC 61000-4-2, level 4 pulse, 8kV contact test method
- Measured 30ns after pulse initiation

MOUSER STOCK NO.	Fig.	Continuous Maximum Operating Voltage (VDC)	Typical IEC Trigger Voltage (VT(IEC) (V))	Typical IEC Clamping Voltage after 30ns (VC(IEC) (V))	Typical TLP Trigger Voltage (VC(TLP) (V))	Typical TLP Clamping Voltage after 30ns (VC(TLP 30) (V))	Typical TLP Clamping Voltage after 60ns (VC(TLP 60) (V))	Typical Capacitance @ 1 MHz, 1Vrms (Cp (pF))	Typical Leakage Current @ 6VDC (IL(Typ) (μA))	Maximum Leakage Current @ 6VDC (IL(MAX) (μA))	Price Each			
											1	10	100	500
650-PESD0402-060	A	6	150	25	225	40	35	0.25	<0.001	0.05	.20	.18	.16	.12
650-PESD0603-140	B	14	350	30	320	75	65	0.25	<0.001	0.01	.16	.15	.12	.10
650-PESD1206Q-140	C	14	150	30	-	-	-	0.2	<0.001	0.01	.45	.39	.33	.26

For quantities of 1000 and up, call for quote.

RAYCHEM FAST ACTING SMD CHIP FUSES

Features:

- Small size with high current ratings
- Excellent temperature stability
- High reliability and resilience
- Strong arc suppression characteristics

Features:

- Monolithic, multilayer design
- Lead-free construction
- High temperature performance
- 55° to +125°C operating range

Applications:

- Laptops
- Digital cameras
- Cell phones
- Printers
- DVD players
- Portable electronics
- Game systems
- LCD displays
- Scanners

Clear Time Characteristics:

% of rated current	Clear time at 25°C
100	4 Hours Min
250	5 Seconds Max
400	.05 Seconds Max

Agency Approvals:

- UL File# E197536

0402 Series (1005mm)

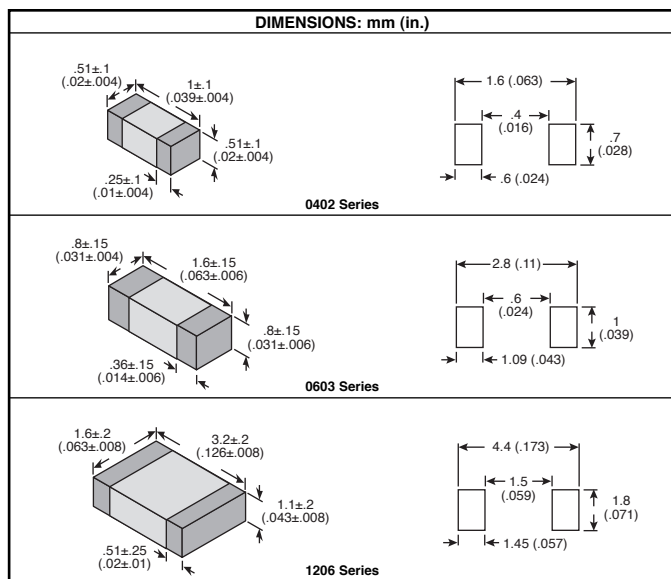
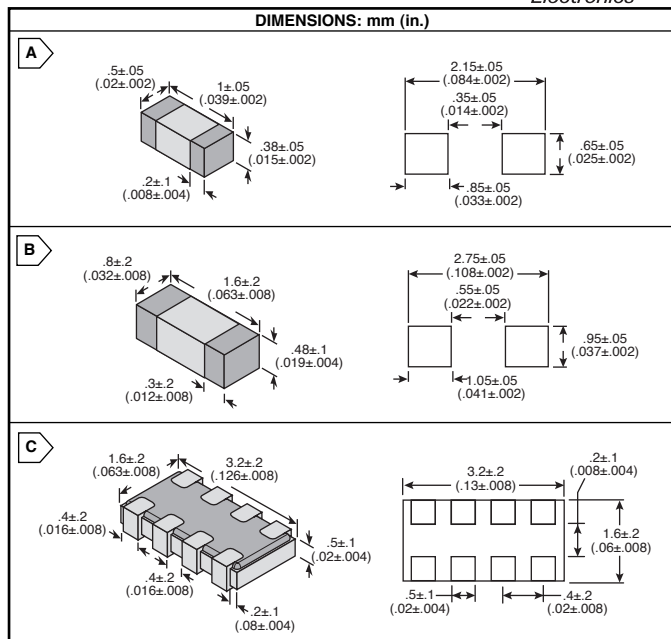
For quantities of 500 and up, call or quote.

MOUSER STOCK NO.	Rated Current (A)	Nominal Cold DCR (Ω)	Voltage (V)	Current (A)	Price Each			
					1	10	100	250
650-0402SFF050F/24	0.50	0.38	24	35	.39	.34	.31	.29
650-0402SFF075F/24	0.75	0.21	24	35	.39	.34	.31	.29
650-0402SFF100F/24	1.00	0.12	24	35	.39	.34	.31	.29
650-0402SFF150F/24	1.50	0.056	24	35	.39	.34	.31	.29
650-0402SFF200F/24	2.00	0.035	24	35	.39	.34	.31	.29
650-0402SFF300F/24	3.00	0.021	24	35	.39	.34	.31	.29
650-0402SFF400F/24	4.00	0.014	24	35	.39	.34	.31	.29

0603 Series (1608mm)

For quantities of 500 and up, call or quote.

MOUSER STOCK NO.	Rated Current (A)	Nominal Cold DCR (Ω)	Voltage (V)	Current (A)	Price Each			
					1	10	100	250
650-0603SFF050F/32	0.50	0.485	32	50	.37	.32	.29	.28
650-0603SFF075F/32	0.75	0.254	32	50	.37	.32	.29	.28
650-0603SFF100F/32	1.00	0.131	32	50	.37	.32	.29	.28
650-0603SFF150F/32	1.50	0.059	32	35	.37	.32	.29	.28
650-0603SFF200F/32	2.00	0.044	32	35	.37	.32	.29	.28
650-0603SFF250F/32	2.50	0.032	32	35	.37	.32	.29	.28
650-0603SFF300F/32	3.00	0.025	32	35	.37	.32	.29	.28
650-0603SFF350F/32	3.50	0.024	32	35	.37	.32	.29	.28
650-0603SFF400F/32	4.00	0.018	32	35	.37	.32	.29	.28
650-0603SFF500F/32	5.00	0.013	32	35	.37	.32	.29	.28
650-0603SFF600F/24	6.00	0.01	24	35	.37	.32	.29	.28



1206 Series (3216mm)

For quantities of 500 and up, call or quote.

MOUSER STOCK NO.	Rated Current (A)	Nominal Cold DCR (Ω)	Voltage (V)	Current (A)	Price Each			
					1	10	100	250
650-1206SFF050F/63	0.50	0.5	63	50	.35	.30	.28	.26
650-1206SFF075F/63	0.75	0.33	63	50	.35	.30	.28	.26
650-1206SFF100F/63	1.00	0.22	63	50	.35	.30	.28	.26
650-1206SFF150F/63	1.50	0.12	63	50	.35	.30	.28	.26
650-1206SFF175F/63	1.75	0.1	63	50	.35	.30	.28	.26
650-1206SFF200F/63	2.00	0.05	63	50	.35	.30	.28	.26
650-1206SFF250F/32	2.50	0.035	32	50	.35	.30	.28	.26
650-1206SFF300F/32	3.00	0.031	32	50	.35	.30	.28	.26
650-1206SFF400F/32	4.00	0.022	32	45	.35	.30	.28	.26
650-1206SFF500F/32	5.00	0.015	32	45	.35	.30	.28	.26
650-1206SFF600F/24	6.00	0.013	24	45	.35	.30	.28	.26
650-1206SFF700F/24	7.00	0.011	24	45	.35	.30	.28	.26
650-1206SFF800F/24	8.00	0.008	24	45	.35	.30	.28	.26

NEW FROM RAYCHEM

Restable Fuses

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