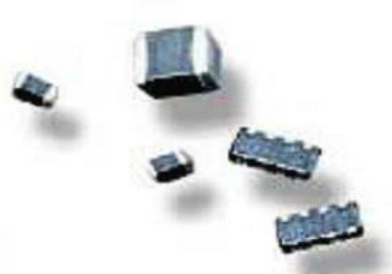


Multilayer Metal Oxide Varistor

PC34 is designed to protect sensitive electronic components against surge and ESD (electronic static discharge) strikes. It is not offers the best protection level in the field, also covers wide operating voltage and energy range. Making it suitable for numerous applications on I/O, keyboard, LCD protection...ect. Multilayer Metal Oxide Varistor are manufactured by excellent multilayer fabrication technology and provide ESD protection which meet IEC1000-4-2 requirement.

Specifications

- * Multilayer Fabrication Technology
- * Wide operating voltage range: Vdc from 5.5V to 30V
- * Low capacitance types available for high-speed signal line
- * Very short response time
- * With insulation coating guarantee, no flammability rating
- * Bi-directional clamping characteristic
- * Nickel / Tin plated terminations guarantee excellent solderability



Rating and Range

	Value	Unit
Continuous Rating: Steady state applied voltage		
DC voltage range	5.5 ~ 30	Vdc
AC voltage range	4.0 ~ 25	Vrms
Transient Surge Rating		
Non-repetitive surge, 8/20us wave	20 ~ 40	A
Non-repetitive energy, 10/1000us	0.05 ~ 0.1	J
Operating Temperature Range	-55 ~ 125	°C
Storage Temperature Range	-55 ~ 150	°C
Response	< 0.7	nS

0603	Max Operation Voltage		Max.Surge Current	Max. Absorption Energy	Max. Clamping Voltage		Varistor Voltage		Capacitance Typical	
							V (min)	V (max)	1KHz (pf)	1KHz (pf)
0603C05M	5.5	4.0	30	0.1	18.5	2	6.4	9.6	290	230
0603C07M	7.0	5.0	30	0.1	23	2	9.0	13.0	260	200
0603C09M	9.0	6.5	30	0.1	27	2	11.0	15.0	230	180
0603C12L	12.0	9.0	30	0.1	32	2	13.0	17.5	200	150
0603C14K	14.0	11.0	30	0.1	35	2	16.2	19.8	160	122
0603C18K	18.0	14.0	30	0.1	40	2	21.0	26.0	140	110
0603C22K	22.0	17.0	30	0.1	51	2	26.0	31.0	125	100
0603C28K	26.0	20.0	30	0.1	58	2	29.7	36.3	110	85
0603C30K	30.0	25.0	30	0.1	65	2	35.0	43.0	90	70

0402	Max Operation Voltage		Max.Surge Current	Max. Absorption Energy	Max. Clamping Voltage		Varistor Voltage		Capacitance Typical	
							V (min)	V (max)	1KHz (pf)	1KHz (pf)
0402C05M	5.5	4.0	20	0.05	19	1	6.4	9.6	280	220
0402C07M	7.0	5.0	20	0.05	23	1	9.0	13.0	220	170
0402C09M	9.0	6.5	20	0.05	27	1	11.0	15.0	150	120
0402C12L	12.0	9.0	20	0.05	33	1	13.0	17.5	130	100
0402C14K	14.0	11.0	20	0.05	37	1	16.2	19.8	100	80
0402C18K	18.0	14.0	20	0.05	43	1	21.0	26.0	95	75
0402C22K	22.0	17.0	20	0.05	52	1	26.0	31.0	80	65
0402C26K	26.0	20.0	20	0.05	58	1	29.7	36.3	70	55
0402C30K	30.0	25.0	20	0.05	65	1	35.0	43.0	55	45