



SQUARE SHAPED MEDIUM VOLTAGE VARISTORS

SV Series

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Absolute Maximum Ratings

Continuous	Units	Value
Steady State Applied Voltage		
DC Voltage Range (Vdc)	V	85 to 745
AC Voltage Range (Vrms)	V	60 to 550
Transient		
Peak Single Pulse Surge Current 8/20 μ s Waveform (Wmax)	A	60 to 15000
Single Pulse Surge Energy, 10/1000 μ s Waveform (Wmax)	V	4 to 815
Operating Ambient Temperature	°C	-40 to +85
Threshold Voltage Temperature Coefficient	% / °C	< +0.05
Insulation Resistance	GΩ	> 1
Insulation Voltage Capability	kV	> 2.5
Response Time	ns	< 25

Type	V _{rms}	V _{dc}	V _n 1mA	V _c	I _c 8/20 μ s	W _{max} 10/1000 μ s	P max	I _{max} 8/20 μ s	C _{typ} @1kHz	D max	t max	R
	V	V	V	V	A	J	W	A	nF	mm	mm	mm
1 SV 60 K 7 B L1	60	85	100	155	10	9	0.25	1750	0.90	9.0	3.5	5.0
2 SV 150 K 14 B L1	150	200	240	360	50	101	0.60	8000	0.69	16.0	4.8	7.5
3 SV 275 K 5 B L1	275	350	430	680	5	20	0.10	60	0.09	7.0	5.6	5
4 SV 275 K 14 B L1	275	350	430	680	50	187	0.60	8000	0.55	16.0	6.0	7.5



MEDIUM VOLTAGE DISC VARISTORS

CV & CV+ Series

Absolute Maximum Ratings

Continuous	Units	Value
Steady State Applied Voltage		
DC Voltage Range (Vdc)	V	85 to 745
AC Voltage Range (Vrms)	V	60 to 550
Transient - for CV Series		
Peak Single Pulse Current, 8/20 μ s Waveform (Imax)	A	400 to 6500
Single Pulse Surge Energy, 10/1000 μ s Waveform (Wmax)	J	2.7 to 620
Transient - for CV+ Series		
Peak Single Pulse Current, 8/20 μ s Waveform (Imax)	A	1750 to 15000
Single Pulse Surge Energy, 10/1000 μ s Waveform (Wmax)	J	9 to 627
Operating Ambient Temperature	$^{\circ}$ C	-40 to +85
Threshold Voltage Temperature Coefficient	%/C	< +0.05
Insulation Resistance	G Ω	> 1
Insulation Voltage Capability	kV	> 2.5
Response Time	ns	< 25

Type	V _{rms}	V _{dc}	V _n 1mA	V _c	I _c 8/20 μ s	W _{max} 10/1000 μ s	P max	I _{max} 8/20 μ s	C _{typ} @1kHz	D max	t max	R
	V	V	V	V	A	J	W	A	nF	mm	mm	mm
1 CV 150 K 7 B L1	150	200	240	395	10	18	0.25	1200	0.28	9.0	4.3	5.0
2 CV 300 K 10 B L1	300	385	470	775	25	82	0.40	2500	0.28	12.5	6.1	7.5
3 CV+ 150 K 14 B L1	150	200	240	395	50	92	0.60	6000	0.90	16.5	4.8	7.5
4 CV+ 275 K 14 B L1	275	350	430	710	50	170	0.60	6000	0.53	16.5	5.9	7.5

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AVAILABLE PRODUCT SERIES

SV, CV, CV+

- ▶ 6 model sizes available: 5, 7, 10, 14, 20, 23 mm
- ▶ High current and energy capability of square shaped SV Series
- ▶ Extended version of standard disc varistors available - CV+ Series
- ▶ Peak single pulse current (8/20 μ s waveform) capability up to 15kA
- ▶ Custom design SV varistors available upon request (size & electrical performances)
- ▶ Standards: UL 1449, CECC 42200, IEC 61501

APPLICATION MATRIX

	WHITE GOODS	ENTERTAINMENT ELECTRONICS	POWER SUPPLIES	DISTRIBUTION PANELS	ESCALATORS / ELEVATORS	ELECTRICITY METERS	ELECTRICAL SOCKETS	AC DISTRIBUTION PANELS	MOTOR PROTECTION
SV	X	X	X	X	X	X	X	X	X
CV	X	X	X	X	X	X	X	X	X
CV+	X	X	X	X	X	X	X	X	X

KEKO VARICON products are sold by description only - product technical specification.
KEKO VARICON reserves the right to make changes in circuit design and / or specifications at any time without notice.





INDUSTRIAL RADIAL LEADED SERIES Sample Kit

