

Radial Lead Varistor (MOV)

34S Series

Description

34S series transient surge suppressors are industrial high energy Metal-Oxide Varistors (MOVs). They are designed to provide secondary surge protection in the outdoor and service entrance environment (distribution panels) of buildings, and also in industrial applications for motor controls and power supplies used in the oil-drilling, mining, and transportation fields.

The maximum peak surge current rating can reach up to 40KA (8/20 μ s pulse) to protect against high peak surges, including indirect lightning strike interference, system switching transients and abnormal fast transients from the power source.

Features

- u Excellent non-linearity coefficient
- u Great with standing surge current
- u Fast response time

Applicable

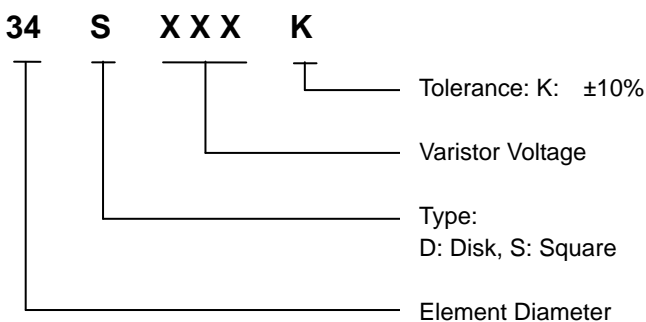
- u Protection of semiconductor
- u Protection of railway automatic signals
- u Surge protection of communication、measuring or controller instrument
- u Transient voltage surge suppressor units
- u Surge protection of vacuum switches



General Characteristics

Material	No Radioactive Material
Operating Temperature	-40~85°C
Storage Temperature	-40~125°C

Part Numbering



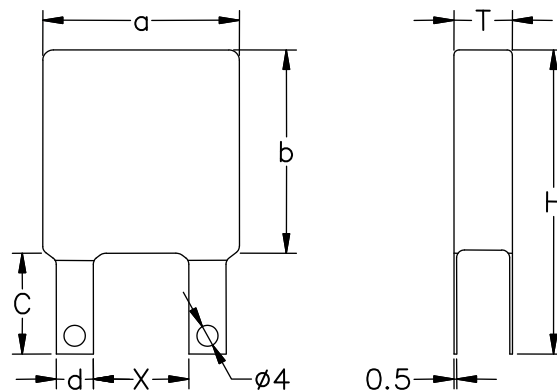
Radial Lead Varistor (MOV)

34S Series

Specifications – General Characteristics (25±5° C)

Type Number	Max. Continuous Voltage		Varistor Voltage (V)	Maximum Clamping Voltage		Max. Peak Current 8/20µs (A)		Energy		Capacitance (Reference) @1KHZ (pf)
	V _{AC} (V)	V _{DC} (V)		I _p (A)	V _c (V)	1 time	2 times	10/1000µs	2ms	
34S301K	190	245	270-330	330	495	40000	25000	462	330	4200
34S431K	275	350	387-473	200	710	40000	25000	560	400	3200
34S471K	300	385	423-517	200	775	40000	25000	430	307	3000
34S621K	385	505	558-682	200	1025	40000	25000	770	550	2450
34S821K	510	670	738-902	200	1355	40000	25000	980	700	1400

Dimensions Unit: mm



Type Number	Disc Size	a max	b max	H max	T max	C±1	d±0.2	X±1
34S301K	34×34	37	38.5	59	7.5	19	7.0	18
34S431K					9.5			
34S471K					8.0			
34S621K					8.0			
34S821K					11.0			