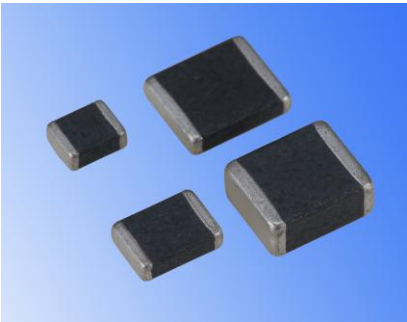


# 6000 A Surge Current Multilayer Metal Oxide Varistors



## NV73S Series



KOA's new NV73S-series of multilayer metal oxide varistors offers excellent surge absorption. The use of KOA's proprietary ceramic materials and optimization of the structure results in high surge current ratings.



Datasheet

The NV73S is available in 3 sizes: 1210, 1812 and 2220 inch. 2220 inch size has a surge current of 6000 A, which is about five times higher than that of existing products. NV73S series offers significant space saving compared with disc varistors and other surge protection components.

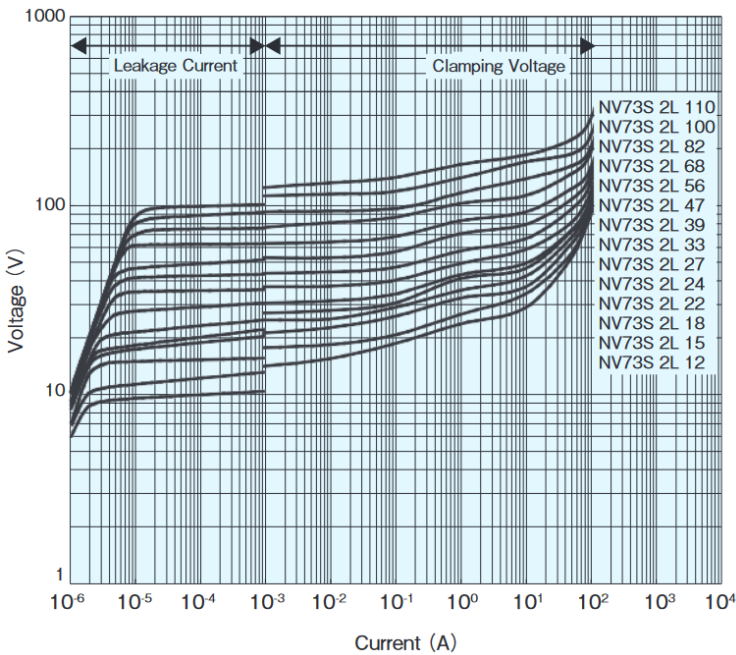
## Features

- High max energy (J)
- High peak current  $I_p$  (A)
- Low profile
- Absorbs positive and negative surges
- AEC-Q200 qualified, EU-RoHS compliant

## Application Examples

- ESD and EMI protection for electronic devices
- Industrial equipment: Protection against induced surges and ESD from relays, motors, solenoid valves, etc.

## Example of Voltage-Current Curves (Reference)



(Ta = +25°C)

**NV73S 2L  
(2220 inch)**

## Ratings

Operating Temperature Range: -50°C ... +125°C

Type	Size Inch (mm)	Varistor Voltage ( $I_c = 1$ mA)	Max. Allowable Circuit Voltage		Max. Energy (1 times)	Max. Peak Current $I_p$ (1 times)
			a.c. (rms)	d.c.		
NV73S 2E	1210 (3225)	15 V ~ 110 V	8 V ~ 70 V	11 V ~ 90 V	1.1 J ~ 2.4 J	400 A ~ 800 A
NV73S 2J	1812 (4532)	12 V ~ 150 V	6 V ~ 95 V	9 V ~ 127 V	1.0 J ~ 7.0 J	500 A ~ 1200 A
NV73S 2L	2220 (5750)	12 V ~ 110 V	6 V ~ 70 V	9 V ~ 90 V	2.1 J ~ <b>15 J</b>	1500 A ~ <b>6000 A</b>

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