

SMD SURGE ARRESTER – 4532 TYPE



FEATURES

- » Surface mount design
- » High DC spark over voltage series up to 600 V
- » High impulse discharge current up to 2500 A
- » High impulse withstanding voltage capacity up to 4 kV
- » Low clamping voltage
- » Bi-directional

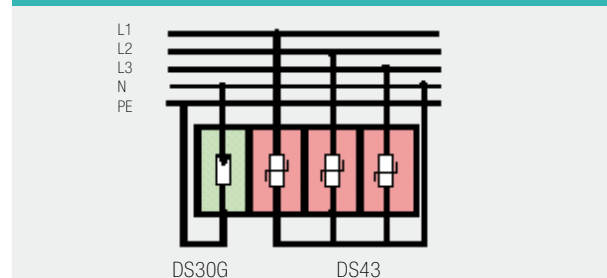
APPLICATIONS

- » Modem; Fax Machine; ADSL...
- » Line Single, data transmission lines
- » Ground
- » Communication Lines
- » Power Distribution System
- » Power Supplier
- » Test Equipment
- » Instrumentation Circuits

SFI provides a new series of surface mount 4.5 mm × 3.2 mm surge arrester components. They ensure the protection for across line or broadband applications to prevent the high transient voltages and limit resulting dangerous currents. They feature precise spark over voltages and the ability to handle high current surges. The devices prevent damage from transient disturbances by creating a short-to-ground circuit during conduction. When an electrical surge exceeds the defined breakdown voltage takes place. The breakdown voltage is available from 75 V to 600 V.

Besides SFI also offers a wide variety of surge protection in SMD packages 0402 to 4532. The arresters can be selected in accordance with the requirements of the particular application. SFI provides a full range surge and ESD circuit protection products.

APPLICATION CIRCUIT POWER DISTRIBUTION



SPECIFICATIONS

WORKING VOLTAGE	DC BREAKDOWN VOLTAGE (V)	MAX. IMPULSE DISCHARGE CURRENT (8/20µs)	INSULATION RESISTANCE	CAPACITANCE (1MHz, 1V)	IMPULSE LIFE TEST	IMPULSE WITHSTANDING VOLTAGE CAPACITY
45 V	75 V (55 V ... 95 V)	2000 A	100 MΩ	0.5 pF max.	8/20 µs, 100 A, 300 times	10/700µs 4kV Positive /Negative, 5 times
56 V	90 V (63 V ... 117 V)	2000 A	100 MΩ	0.5 pF max.	8/20 µs, 100 A, 300 times	10/700µs 4kV Positive /Negative, 5 times
90 V	150 V (105 V ... 195 V)	2000 A	100 MΩ	0.5 pF max.	8/20 µs, 100 A, 300 times	10/700µs 4kV Positive /Negative, 5 times
125 V	200 V (140 V ... 260 V)	2000 A	100 MΩ	0.5 pF max.	8/20 µs, 100 A, 300 times	10/700µs 4kV Positive /Negative, 5 times
180 V	300 V (210 V ... 390 V)	2000 A	100 MΩ	0.5 pF max.	8/20 µs, 100 A, 300 times	10/700µs 4kV Positive /Negative, 5 times
225 V	400 V (280 V ... 520 V)	2000 A	100 MΩ	0.5 pF max.	8/20 µs, 100 A, 300 times	10/700µs 4kV Positive /Negative, 5 times
350 V	600 V (420 V ... 780 V)	2000 A	100 MΩ	0.5 pF max.	8/20 µs, 100 A, 300 times	10/700µs 4kV Positive /Negative, 5 times