

Surge Absorber for Electric Surge Protection

FA55 Series



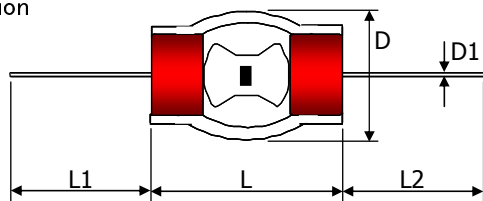
The FA55 series is a leaded type surge protection device. With internal control of electric fields and the trigger line's secondary electron emission mechanism, this device exhibits excellent surge response characteristics. Tested to ensure endurance in a variety of AC voltages, this is the optimum device for surge absorption in any signal line. The internal insulation range satisfies the requirements of the J60065 (H20) Standard.

Characteristics

- Strong response to surges with minimal voltage restriction
- Tested to endure under all possible AC voltages
- Extremely small, (diameter of the glass portion 5.5mm, length 7.0mm)
- Small electrostatic capacitance, high performance insulation characteristics
- Available in both axial tapping and radial tapping
- No polarity
- Matching FA55 varistor available for every possible type of electrical source circuit
- In compliance with J60065 (H20) Standard
- RoHS compliant
- Meets UL Standard UL1449, EN Standard EN60065, EN60950-1

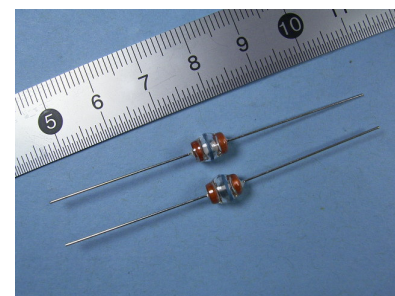
Part number	AC withstanding voltage		Impulse sparkover voltage		Insulation resistance IR(MΩ) (DC500V)	Capacitance C (pF)	Surge current capacity (A)		Surge life test	DC sparkover voltage (V) ※Reference value
	Applied voltage (V)	Time	V _{imp} (V)	Applied voltage (V) Impuls 1.2/50			Applide current 8/20	Applide current 8/20 100A		
FA55-272	1,000	1min.	≤4,500	4,500	≥100	≤1	2,500	300 times	2,700 (2,160~3,240)	
	1,200	3sec.								
FA55-302	1,500	1min.	≤5,000	5,000						
FA55-362	1,800	3sec.	≤5,000	5,000						
FA55-402	2,000	1min.	≤6,000	6,000						

Construction



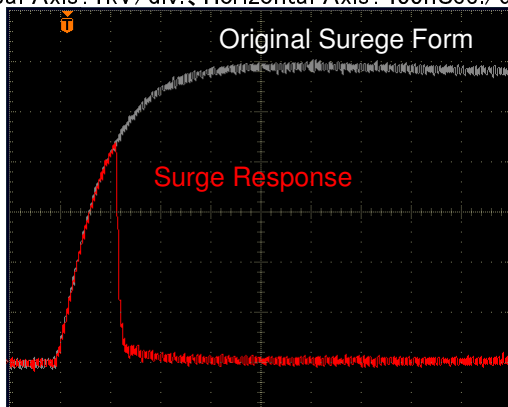
Unit: mm

Series	D	D1	L	L1, L2
FA55	φ 5.5 max.	φ 0.50±0.05	7.0±1.0	28.5±3.0

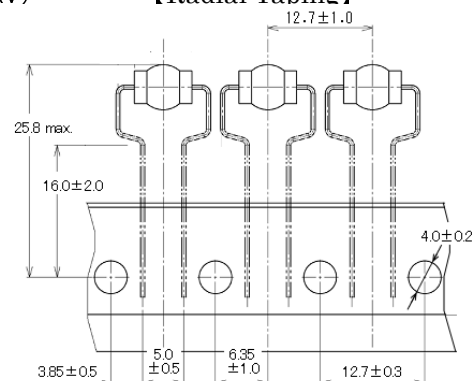


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FA55-402 Surge Response Characteristics (Original Surge: 1.2/50 6kV)
(Vertical Axis: 1kV/div., Horizontal Axis: 400nSec./div.)



【Radial Taping】



Axial Taping (A22F) is also available.