

ACT 424-1/4W Quarterwave Protector

RF Coax Surge Arrestor



- ▶ With the increases in the sensitivity of telecom and cellular equipment, the ACT 424-1/4 is a coax surge arrester built to sustain multiple lightning surges and quickly restore itself back to normal for the next surge.

The ACT 424-1/4 is a robust, primary series connected surge arrester with a choice of BNC, N, F, TNC, and SMA type connectors (Male to Female). The Coax Protector protection technology is designed with a 800-2,500 MHz design that allows signal and dc to pass through the protector.

▶ RECOMMENDED LOCATION

- Rail Road
- Commercial Telephone
- Wireless Telephone
- Cable Television

▶ FEATURES AND BENEFITS

- Robust Design – 40kA (8x20uSec)@ <550V
- Uses Robust 1/4 Wave Protection Design
- Fast Response Time < 100 nSec
- Extremely Low Insertion Loss ≤.25 dB
- Absorbs and Dissipates Surges Through Ground
- 1 Year Standard Warranty

▶ STANDARDS MET

- UL 497A
- ANSI/ IEEE C62
- 3rd Party Tested

▶ TECHNICAL INFORMATION

ACT 424-1/4W-XXX-MF	XXX	Connector Type	BNC TNC F SMA
	MF	MALE to FEMALE	

▶ ELECTRICAL & MECHANICAL SPECIFICATIONS

Connector Type	BNC	TNC	F	SMA	N
Working Frequency (GHz)	800-2.5G	800-2.5G	800-1G	800-1G	800-2.5G
Impedance (Ohms)	75	50	75	75	50
Wattage	200W	200W	200W	200W	200W
Max Discharge Current (8x20uS)	40kA	40kA	40kA	40kA	40kA
Max Voltage Breakdown	<550V	<550V	<550V	<550V	<550V
Insertion Loss (dB)	≤.25	≤.25	≤.25	≤.25	≤.25
Working Temperature (deg C)	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +85
Typical Size (mm)	104.4 x 57.5 x 32	104.4 x 57.5 x 32	104.4 x 57.5 x 32	104.4 x 57.5 x 32	104.4 x 57.5 x 32
Continuous Power	60W	60W	60W	60W	60W



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