ACT 424-1/4W Quarterwave Protector
RF Coax Surge Arrestor

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

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

RF Coax Surge Arrestor 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 arrestor with a choice of BNC, N, F, TNC, and SMA type connectors (Male to Female). The Coax Protector protection technology is designed with an 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

Inspected and Tested in the USA
ACT 424-1/4W Quarterwave Protector
RF Coax Surge Arrestor

Fig. 1
Fig. 2
Fig. 3
Fig. 4

grounding bar

O-ring
mounting nut
washer

protected side
unprotected side

protected side
unprotected side