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Powertec Wireless Technology  
ABN: 42 082 948 463  
PO Box 1034, Ashmore City  
Queensland, Australia, 4214  
sales@powertec.com.au  
1300 769 378

# **CommScope APT-HFHM Quarterwave Surge Arrestor 695- 2700 MHz, 4.3-10 Female to 4.3-10 Male**

SKU  
ACC-CS-00072  
MPN  
APT-HFHM

## Description

The CommScope APT-HFHM Quarterwave Surge Arrestor (SKU: ACC-CS-00072) is a robust RF surge protector designed for superior protection in telecommunications networks. Operating within a frequency range of 695 to 2700 MHz, it offers reliable performance with 4.3-10 Female to 4.3-10 Male connectors. This component is engineered to endure over 100 mating cycles and functions efficiently in extreme temperatures from -45 °C to 85 °C.

With an input impedance of 50  $\Omega$  and an impulse discharge current rating of 10 kA (8/20 waveform), this surge protector ensures optimal circuit protection. It achieves a 3rd Order PIM rating of -117 dBc, maintaining signal integrity. The device is IP68 rated, guaranteeing excellent protection against dust and water ingress, and it complies with ISO 9001 and IEC 60529 standards for quality and mechanical reliability.

Performance metrics include a VSWR of  $\leq 1.25:1$  at 695 MHz and  $\leq 1.15:1$  at 2170 MHz, with minimal...

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## [CommScope](#)

CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what's next and push the boundaries of ...

## RF Connector Interface

### RF Interface Body Shape Mounting

[4.3-10 Female Straight](#) [Free Hanging](#)

[4.3-10 Male Straight](#) [Free Hanging](#)

## RF Specification

Start Frequency

0.7 GHz

Stop Frequency

2.7 GHz

PIM, 3rd Order

-117 dBc

Input Impedance

50  $\Omega$

Impulse Discharge

10 kA (8/20 waveform)

VSWR Measurement

**Frequency VSWR Return Loss Insertion Loss**

695 MHz      $\leq 1.25:1 \leq 19.1 \text{ dB}$      0.08 dB  
806 MHz      $\leq 1.13:1 \leq 24.3 \text{ dB}$   
2170 MHz     $\leq 1.15:1 \leq 23.13 \text{ dB}$

## Physical Specification

Body Plating

[White Bronze](#)

Dimensions

73 x 25 x 97

Compliance/Certifications

[ISO 9001 Quality Management](#)

Contact Plating

[Silver](#)

Min. Operating Temperature

-45 °C

Max. Operating Temperature

85 °C

Mating Cycles

> 100

Ingress Protection

[IP68](#)

Mechanical Compliance

[IEC 60529: IP Code](#)

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