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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 Ω 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 ≤ 1.25:1 at 695 MHz and ≤ 1.15:1 at 2170 MHz, with minimal...

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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 Ω
Impulse Discharge
10 kA (8/20 waveform)
VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
695 MHz	≤ 1.25:1	≤ 19.1 dB	0.08 dB
806 MHz	≤ 1.13:1	≤ 24.3 dB	

Frequency	VSWR	Return Loss	Insertion Loss
2170 MHz	≤ 1.15:1	≤ 23.13 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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