

# APT-HFHM

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Arrestor Plus® Quarterwave Surge Arrestor 695-2700MHz, with interface types 4.3-10 Female and 4.3-10 Male

## Product Classification

<b>Product Type</b>	Quarter wave shorting stub
<b>Product Brand</b>	Arrestor Plus®
<b>Ordering Note</b>	ANDREW® non-standard product

## General Specifications

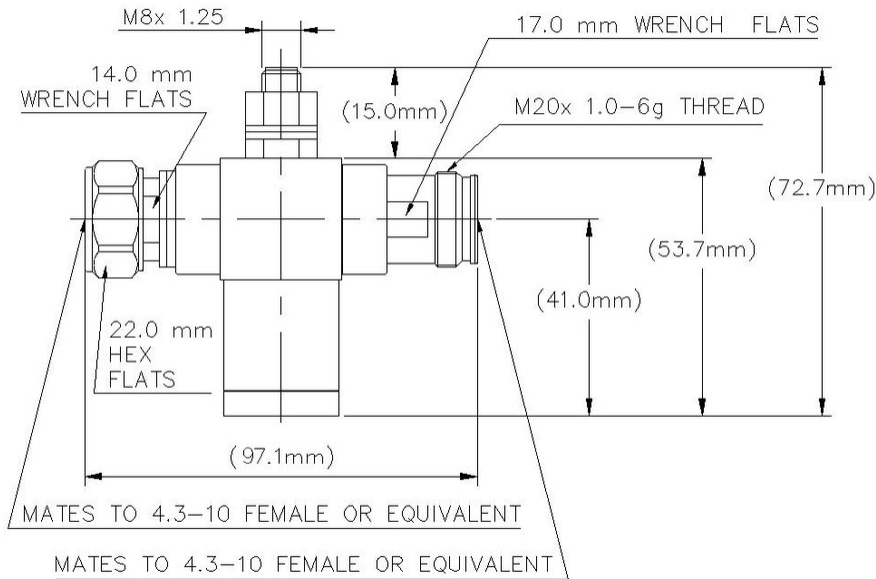
<b>Device Type</b>	dc Pass
<b>Inner Contact Plating</b>	Silver
<b>Interface</b>	4.3-10 Female
<b>Interface 2</b>	4.3-10 Male
<b>Outer Contact Plating</b>	Trimetal

## Dimensions

<b>Height</b>	73 mm   2.874 in
<b>Width</b>	25 mm   0.984 in
<b>Length</b>	97 mm   3.819 in

## Outline Drawing

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## Electrical Specifications

<b>3rd Order IMD Gain</b>	-117 dB
<b>3rd Order IMD Test Method</b>	Two +43 dBm carriers
<b>Insertion Loss, typical</b>	0.08 dB
<b>Connector Impedance</b>	50 ohm
<b>Lightning Surge Current</b>	10 kA
<b>Lightning Surge Current Waveform</b>	8/20 waveform
<b>Operating Frequency Band</b>	695 – 2700 MHz
<b>Peak Instantaneous Power (PIP)</b>	150 kW RF

## VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
695–806 MHz	1.25	19.1
806–2170 MHz	1.13	24.3
2170–2600 MHz	1.15	23.13

## Mechanical Specifications

<b>Coupling Nut Proof Torque</b>	10 N-m   88.507 in lb
<b>Coupling Nut Retention Force</b>	449.27 N   101 lbf
<b>Coupling Nut Retention Force Method</b>	MIL-C-39012C-3.25, 4.6.22

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<b>Interface Durability</b>	100 cycles
<b>Interface Durability Method</b>	IEC 61169-16:9.5
<b>Mechanical Shock Test Method</b>	MIL-STD-202F, Method 213B, Test Condition C

## Environmental Specifications

<b>Operating Temperature</b>	-45 °C to +85 °C (-49 °F to +185 °F)
<b>Storage Temperature</b>	-70 °C to +150 °C (-94 °F to +302 °F)
<b>Attenuation, Ambient Temperature</b>	20 °C   68 °F
<b>Average Power, Ambient Temperature</b>	40 °C   104 °F
<b>Corrosion Test Method</b>	MIL-STD-202, Method 101, Test Condition B
<b>Immersion Depth</b>	1 m
<b>Immersion Test Mating</b>	Mated
<b>Immersion Test Method</b>	IEC 60529:2001, IP68
<b>Moisture Resistance Test Method</b>	MIL-STD-202, Method 106
<b>Thermal Shock Test Method</b>	MIL-STD-202, Method 107, Test Condition A-1, Low Temperature -55 °C
<b>Water Jetting Test Mating</b>	Mated

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

