



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

Product Classification

Product Type Surge arrestor

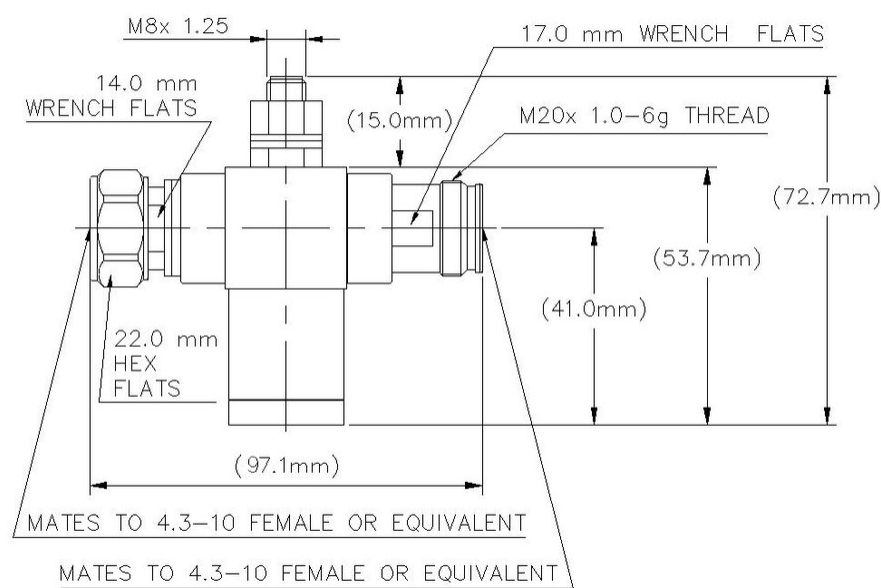
General Specifications

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

Dimensions

Height 72.7 mm | 2.862 in
Width 25 mm | 0.984 in
Length 97.3 mm | 3.831 in

Outline Drawing



Electrical Specifications

3rd Order IMD Gain	-117 dB
3rd Order IMD Test Method	Two +43 dBm carriers
Insertion Loss, typical	0.08 dB
Connector Impedance	50 ohm
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform
Operating Frequency Band	695 – 2700 MHz
Peak Instantaneous Power (PIP)	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	1.16	23.1
2600–2700 MHz	1.2	21

Mechanical Specifications

Coupling Nut Proof Torque	10 N-m 88.507 in lb
Coupling Nut Retention Force	449.27 N 101 lbf

Coupling Nut Retention Force Method	MIL-C-39012C-3.25, 4.6.22
Interface Durability	100 cycles
Interface Durability Method	IEC 61169-16:9.5
Mechanical Shock Test Method	MIL-STD-202F, Method 213B, Test Condition C

Environmental Specifications

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

Regulatory Compliance/Certifications

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



* Footnotes

Insertion Loss, typical	0.05V _{freq} (GHz) (not applicable for elliptical waveguide)
Immersion Depth	Immersion at specified depth for 24 hours