A6HM-S



3rd Order IMD Test Method

4.3-10 Male for 1-1/4 in AVA6-50 cable

Product Classification	
Product Type	Wireless and radiating connector
Product Brand	HELIAX®
Product Series	AVA6-50 AVA6RK-50
General Specifications	
Body Style	Straight
Cable Family	AVA6-50
Harmonized System (HS) Code	854420 (Coaxial cable and other coaxial electric conductors)
Inner Contact Attachment Method	Captivated
Inner Contact Plating	Silver
Interface	4.3-10 Male
Interface 2	4.3-10 Male
Mounting Angle	Straight
Outer Contact Attachment Method	Clamp
Outer Contact Plating	Trimetal
Dimensions	
Length	60.2 mm 2.37 in
Diameter	48.01 mm 1.89 in
Nominal Size	1-1/4 in
Electrical Specifications	
3rd Order IMD at Frequency	-117 dBm @ 1800 MHz

Page 1 of 3

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Two +43 dBm carriers



A6HM-S

Insertion Loss, typical	0.05 dB
Return Loss Note	Measurements taken using a .9 m (3 ft) jumper assembly
Cable Impedance	50 ohm
Connector Impedance	50 ohm
Operating Frequency Band	0 – 4000 MHz

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–1000 MHz	1.02	40.09
1000–2700 MHz	1.04	34.16
2700-3300 MHz	1.07	29.42

Mechanical Specifications

Coupling Nut Proof Torque	10 N-m 88.507 in lb
Interface Durability Method	IEC 61169-4:9.5
Mechanical Shock Test Method	IEC 60068-2-27

Environmental Specifications

Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F
Corrosion Test Method	IEC 60068-2-11
Immersion Depth	1 m
Immersion Test Mating	Mated
Immersion Test Method	IEC 60529:2001, IP68
Moisture Resistance Test Method	IEC 60068-2-3
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6
Water Jetting Test Mating	Mated
Water Jetting Test Method	IEC 60529:2001, IP66
Packaging and Weights	

Weight, net

295 g | 0.65 lb

Page 2 of 3

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Regulatory Compliance/Certifications

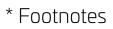
Agency

Classification

CHINA-ROHS



Above maximum concentration value Designed, manufactured and/or distributed under this quality management system Compliant/Exempted



Insertion Loss, typical0.05v⁻freq (GHz) (not applicable for elliptical waveguide)Immersion DepthImmersion at specified depth for 24 hours

Page 3 of 3

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