

78EZHM



4.3-10 Male EZfit® Connector for 7/8 in AVA5-50 and AVA5-50FX cable

Product Classification

Product Type	Wireless and radiating connector
Product Brand	HELIAX®
Product Series	AVA5-50 AVA5-50FX AVA5RK-50

General Specifications

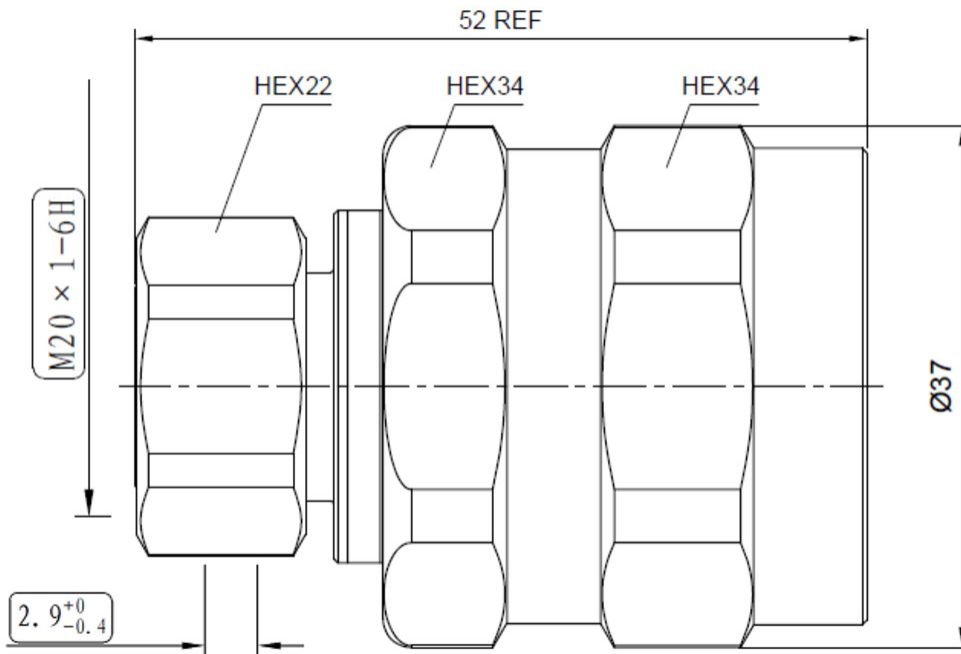
Body Style	Straight
Cable Family	AVA5-50 AVA5-50FX
Harmonized System (HS) Code	854420 (Coaxial cable and other coaxial electric conductors)
Inner Contact Attachment Method	Captivated
Inner Contact Plating	Silver
Interface	4.3-10 Male
Interface 2	4.3-10 Male
Mounting Angle	Straight
Outer Contact Attachment Method	Clamp
Outer Contact Plating	Trimetal

Dimensions

Length	51.99 mm 2.047 in 60.2 mm 2.37 in
Diameter	37.01 mm 1.457 in 48.01 mm 1.89 in
Nominal Size	7/8 in

Outline Drawing

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Electrical Specifications

3rd Order IMD at Frequency	-115 dBm @ 1800 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
Insertion Loss Coefficient, typical	0.05
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 – 5000 MHz

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)	VSWR, typical	Return Loss, typical (dB)
0–3.8 GHz	1.106	25.96		
3800–4200 MHz			1.23	20
4200–5000 MHz			1.23	20

Mechanical Specifications

Coupling Nut Proof Torque	10 N-m 88.507 in lb
Interface Durability Method	IEC 61169-4:9.5

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Mechanical Shock Test Method IEC 60068-2-27

Environmental Specifications

Operating Temperature -45 °C to +85 °C (-49 °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 144.2 g | 0.318 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



* Footnotes

Insertion Loss Coefficient, typical 0.05√freq (GHz) (not applicable for elliptical waveguide)

Immersion Depth Immersion at specified depth for 24 hours