

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

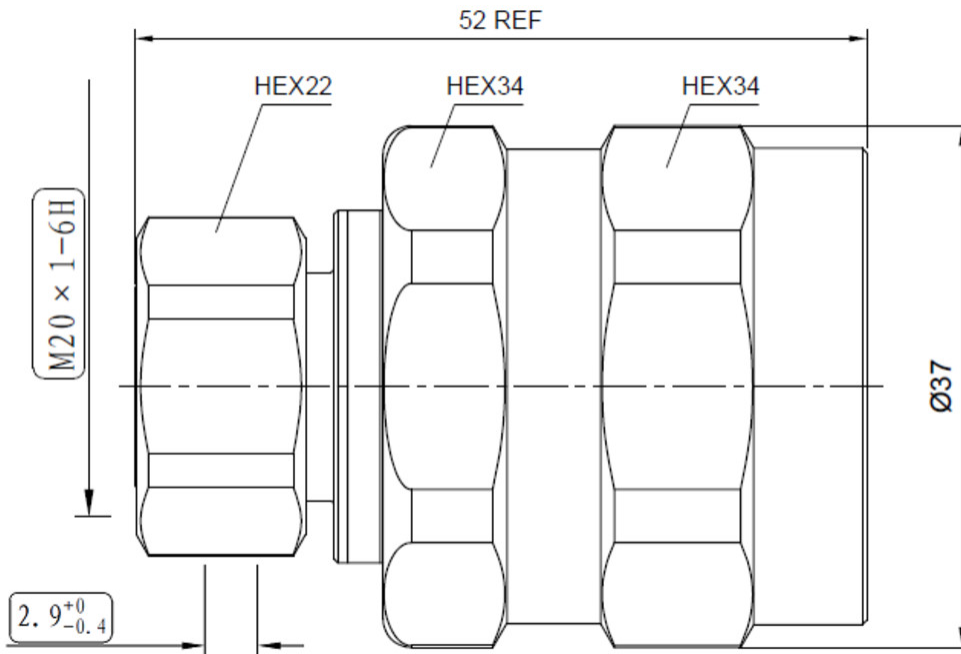
Body Style	Straight
Cable Family	AVA5-50 AVA5-50FX
Harmonized System (HS) Code	85366910 (Coaxial cable and other coaxial electric conductors)
Inner Contact Attachment Method	Captivated
Inner Contact Plating	Silver
Interface	4.3-10 Male
Interface 2	4.3-10 Male
Mounting Angle	Straight
Outer Contact Attachment Method	Clamp
Outer Contact Plating	Trimetal

Dimensions

Length	52 mm 2.047 in
Diameter	37 mm 1.457 in
Nominal Size	7/8 in

Outline Drawing

78EZHM



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
Connector Impedance	50 ohm
Operating Frequency Band	0 – 5000 MHz
Peak Power, maximum	15 kW

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)	VSWR, typical	Return Loss, typical (dB)
0–3.8 GHz	1.106	26		
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

78EZHM

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, gross	0.194 kg 0.428 lb
Weight, net	144.2 g 0.318 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



* Footnotes

Insertion Loss Coefficient, typical $0.05\sqrt{\text{freq}}$ (GHz) (not applicable for elliptical waveguide)

Immersion Depth Immersion at specified depth for 24 hours

