

# 78EZHf



4.3-10 Female 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

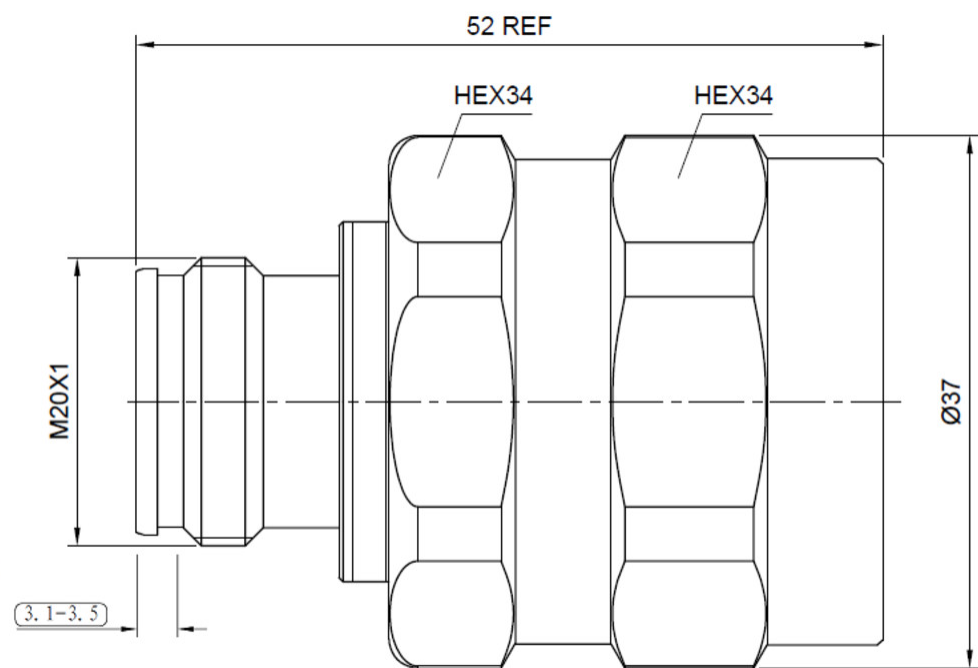
Body Style	Straight
Cable Family	AVA5-50   AVA5-50FX
Harmonized System (HS) Code	85366910 (Coaxial cable and other coaxial electric conductors)
Inner Contact Attachment Method	Captivated
Inner Contact Plating	Silver
Interface	4.3-10 Female
Mounting Angle	Straight
Outer Contact Attachment Method	Clamp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

## Dimensions

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

## Outline Drawing

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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
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

Interface Durability Method	IEC 61169-4:9.5
Mechanical Shock Test Method	IEC 60068-2-27

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## 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	0.186 kg   0.409 lb
Weight, net	135.6 g   0.299 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 <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## \* Footnotes

Insertion Loss Coefficient, typical	0.05√freq (GHz) (not applicable for elliptical waveguide)
Immersion Depth	Immersion at specified depth for 24 hours