

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

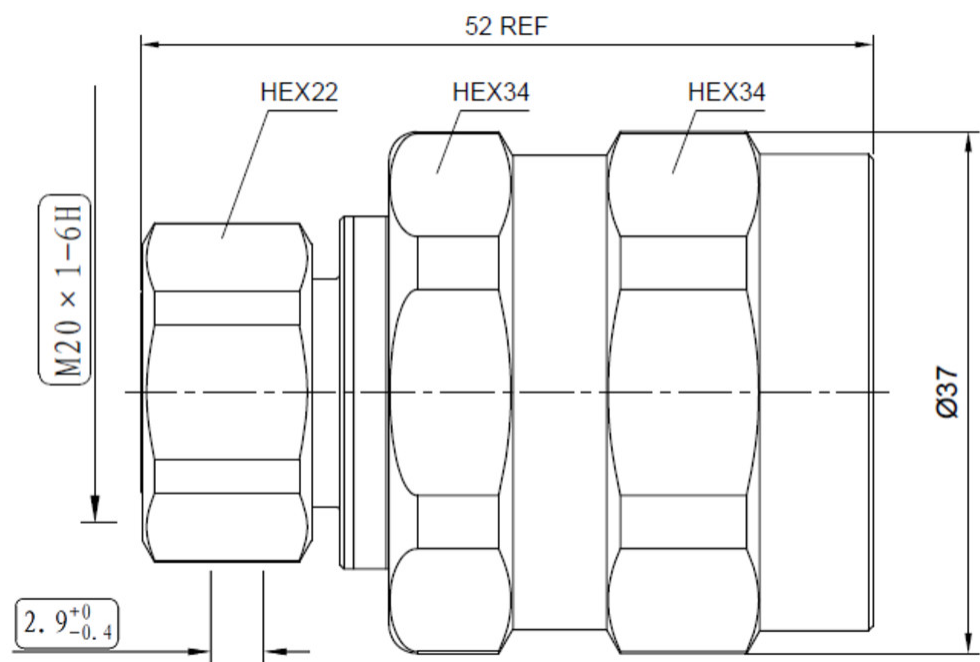
| | |
|---------------------------------|--|
| Body Style | Straight |
| Cable Family | AVA5-50 AVA5-50FX |
| Harmonized System (HS) Code | 85366910 (Coaxial cable and other coaxial electric conductors) |
| Inner Contact Attachment Method | Captivated |
| Inner Contact Plating | Silver |
| Interface | 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.andrew.com/ProductCompliance |
| 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 |

