



**PRODUCT DATASHEET**  
**158EIA-HJA158-002**

1-5/8" EIA Connector for 1-5/8" HELICABLE™ HJA158-50A Air-Dielectric Coaxial Cable, Gas Stop / Gas Pass

HELICABLE™ High Performance Coaxial cable connectors have very low losses and provide a gas tight seal when installed to 1-5/8" HJA158-50A air dielectric cable. HELICABLE™ connectors can be installed with common basic hand tools. Tab flare flange of outer & inner connection and simple O-ring and gasket seal eases installation of the connector.

**FEATURES**

- **VSWR**  
HELICABLE™ Coaxial cable connectors have low VSWR that contribute to system performance.
- **Sealing**  
HELICABLE™ Coaxial cable connectors have firm gas tight fittings maintaining sealed pressure throughout the system.
- **Attenuation**  
HELICABLE™ Coaxial cable connectors have low attenuation resulting in extremely efficient transfer of your RF signal.
- **Installation**  
HELICABLE™ Coaxial cable connectors are easily installed using common basic hand tools.



1-5/8" EIA Connector for  
1-5/8" HELICABLE™ HJA158-50-A  
Air-Dielectric Coaxial Cable

**Technical Details**

**GENERAL SPECIFICATIONS**

|                        |  |  |
|------------------------|--|--|
| Transmission Line Type |  | Coaxial Cable  |
| Cable Size             |  | 1-5/8"   |
| Cable Type             |  | Air Dielectric   |
| Model                  |  | HJA158-50A   |
| Connector Interface    |  | 1-5/8" EIA   |
| Connector Type         |  | Gas stop / Gas pass* (drill through predrilled holes in the insulator) |
| Sealing Method         |  | O-ring & gasket  |
| Gender                 |  | Female, with separate Male inner anchor connector                      |

**ELECTRICAL SPECIFICATIONS**

|                   |           |               |
|-------------------|-----------|---------------|
| Impedance         | Ω         | 50            |
| Insertion Loss    | dB        | 0.05          |
| VSWR, Return Loss | VSWR (dB) | ≤1.05 (-32.3) |

**MECHANICAL SPECIFICATIONS**

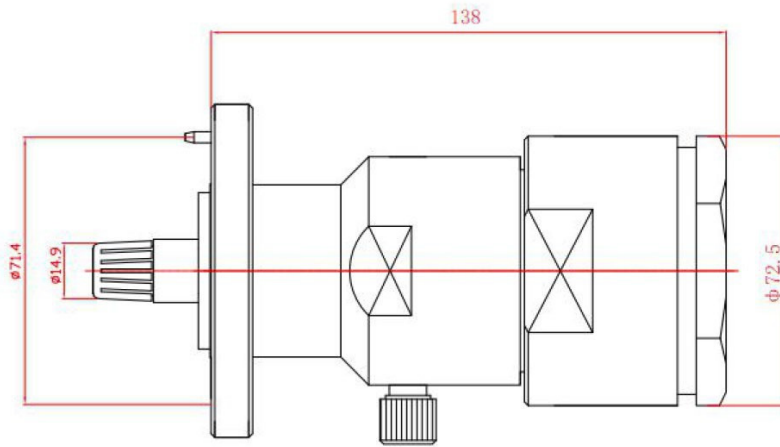
|                               |         |                  |
|-------------------------------|---------|------------------|
| Plating Inner (contact faces) |         | Silver or Gold   |
| Plating Outer                 |         | Nickel or Silver |
| Length                        | mm (in) | 138 (5.43)       |
| Outer Diameter                | mm (in) | 89 (3.5)         |
| Gas Inlet                     |         | 1/8" NPT         |



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158EIA-HJA158-002 connector, dimensions in mm