



These high-performance coaxial cable connectors are characterized by excellent gas tightness and extremely low losses. The connectors can be installed with basic hand tools. Tab flare of outer connection and use of o-ring sealing simplifies installation of the connector. The connectors are fully tested for mechanical and electrical compliance to specifications. The connectors have excellent electrical values and provide outstanding performance for the most demanding applications. The design provides maximum sealing integrity and gas tightness.

FEATURES / BENEFITS

- Easy installation utilizing only basic hand tools.
- Tab flare of outer contact attachment means quick and simple installation.
- No need for sealing compound. The connector is ready for pressurization immediately after installed to the cable.
- Excellent gas tightness. Overpressure for increased voltage handling is maintained throughout the system.
- Outstanding VSWR performance improves overall system performance.
- Totally waterproof, assures safe, long term operation in the harshest of environments.
- RoHS (EU) and CRoHS (China) compliant, can be used on a global basis.



158EIA Connector for HCA158 Cable

Technical features

GENERAL SPECIFICATIONS

| | | |
|------------------------|--|----------------------------------|
| Transmission Line Type | | Coaxial Cable |
| Cable Size | | 1-5/8 |
| Cable Type | | Air Dielectric |
| Model Series | | HCA158-50 Series |
| Connector Interface | | 1-5/8" EIA |
| Connector Type | | Gas stop/ Gas pass - See Note 1) |
| Sealing Method | | O-ring seal |
| Gender | | Female - See Note 2) |

ELECTRICAL SPECIFICATIONS

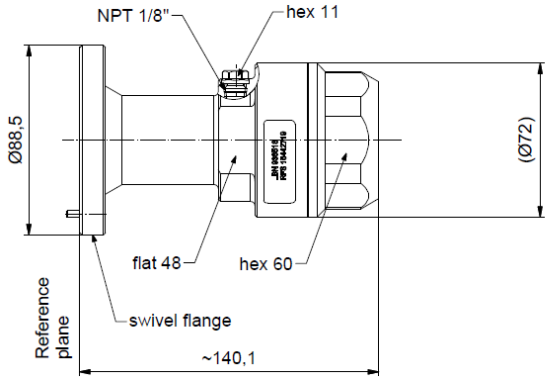
| | | |
|-------------------|-----------|--|
| Insertion loss | dB | < 0.05dB |
| VSWR, Return Loss | VSWR (dB) | 0 <f ≤ 860 MHz: 1.02 (40) 860 MHz <f ≤ 2.7 GHz: 1.06 (30.7) |

MECHANICAL SPECIFICATIONS

| | | |
|--------------------------|---------|------------------|
| Plating Outer/Inner | | Tri Plate/Silver |
| Length | mm (in) | 140 (5.51) |
| Outer Diameter | mm (in) | 89 (3.5) |
| Outer Contact Attachment | | Tab Flare |

**158EIA-HCA158-019**

1-5/8" EIA Connector for 1-5/8" Coaxial Cable, Gas stop/ Gas pass,O-Ring Sealing



158EIA-HCA158-019 connector, dimensions in mm

[External Document Links](#)[Installation Instruction](#)[Notes](#)

1) The connector is converted to gas pass by drilling through the pilot hole in the insulator.

2) Connector model -019 does not include the inner connector and flange hardware.

Model name with -019KT suffix denotes a connector kit which consists of a connector, an inner connector and a set of flange hardware.

3) Model name with -019RT suffix denotes a re-use kit for the connector which includes 1x O ring for back nut, 1x gasket, 1x stub, 1x clamping ring, 1x vaseline package and 1x manual.