PRODUCT DATASHEET

158EIA-HCA158-019

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

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

Feature / 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.

Technical features

GENERAL SPECIFICATIONS

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

MECHANICAL SPECIFICATIONS

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

ELECTRICAL SPECIFICATIONS

Frequency Range	VSWR value	Return Loss value
0 < f ≤ 860 MHz	1.02	40
860 MHz < f ≤ 2.7 GHz	1.06	30.7

External Document Links

Notes
1) The connector is converted to gas pass by drilling through the pilot hole in the insulator.
2) Connector does not include an inner connector.