



78EIA-HCA78-019

7/8" EIA Connector for 7/8" 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 flare 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	7/8"
Cable Type	Air Dielectric
Model Series	HCA78-50 Series
Connector Interface	7/8" EIA
Connector Type	Gas stop/ Gas pass - See Note 1)
Sealing Method	O-ring seal

MECHANICAL SPECIFICATIONS

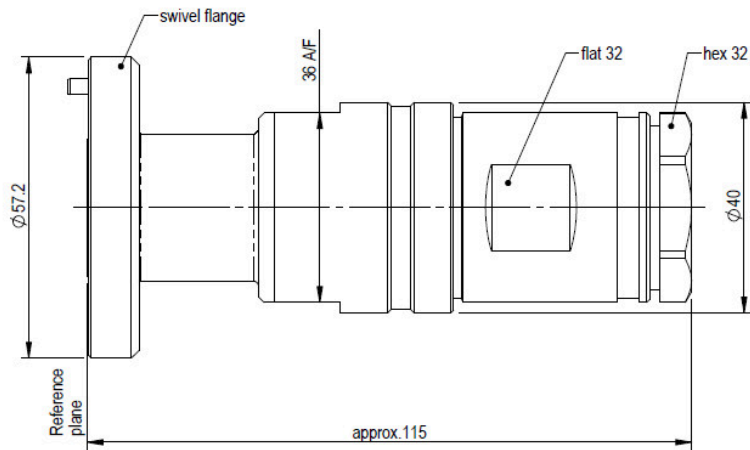
Plating Outer/Inner	Tri Plate/Silver
Length	115mm (4.53in)
Outer Diameter	57.2mm (2.25in)
Outer Contact Attachment	Tab Flare

ELECTRICAL SPECIFICATIONS

Frequency Range	VSWR value	Return Loss value
0 to 1 GHz	1.02	40
1 GHz to 2.7 GHz	1.065	30

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## 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 inner connector.