



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.

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.



78EIA Connector for HCA78 Cable

Technical features**GENERAL SPECIFICATIONS**

Transmission Line Type		Coaxial Cable
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
Gender		Female - See Note 2)

ELECTRICAL SPECIFICATIONS

Insertion loss	dB	0.05dB
VSWR, Return Loss	VSWR (dB)	0 to 1 GHz: 1.02 (40) 1 GHz to 2.7 GHz: 1.07 (30)

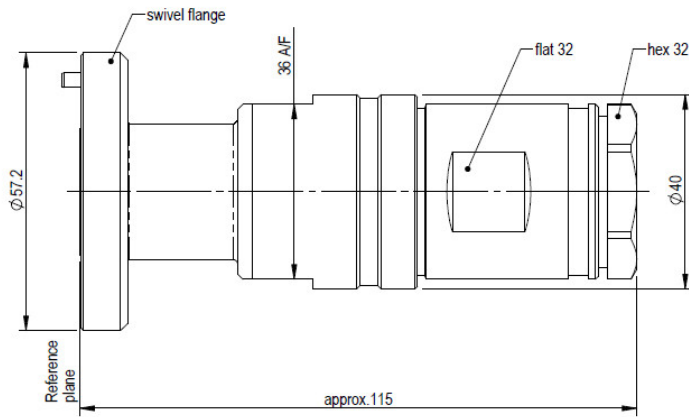
MECHANICAL SPECIFICATIONS

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



78EIA-HCA78-019

7/8" EIA Connector for 7/8" Coaxial Cable, Gas stop/ Gas pass, O-Ring Sealing



78EIA-HCA78-019 connector, dimensions in mm

External Document Links

[78eia-hca78-019.pdf](#)

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.