

**318EIA-HCA300-019****3-1/8" EIA Connector for 3" 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	3"
Cable Type	Air Dielectric
Model Series	HCA300-50 Series
Connector Interface	3-1/8" EIA
Connector Type	Gas stop /Gas pass - See Note 1)
Sealing Method	O-ring seal

**MECHANICAL SPECIFICATIONS**

Plating Outer/Inner	Tri Plate/Silver
Length	164mm (6.45in)
Outer Diameter	136mm (5.35in)
Outer Contact Attachment	Tab Flare

**ELECTRICAL SPECIFICATIONS**

Frequency Range	VSWR value	Return Loss value
0 <f ≤ 860 MHz	1.02	40
860 MHz <f ≤ 1.5 GHz	1.05	32

**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.