

## 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.



318EIA Connector for HCA300 Cable

### 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.

### Technical Features

#### GENERAL SPECIFICATIONS

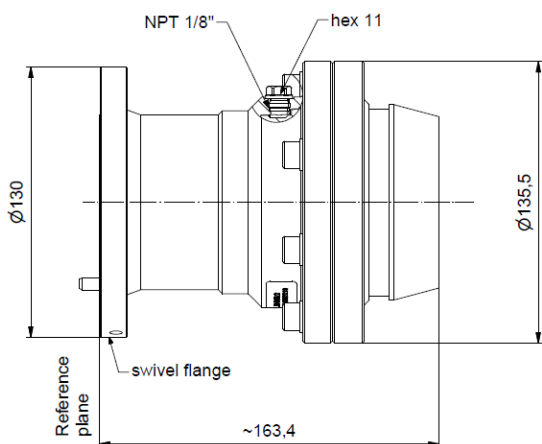
Transmission Line Type		Coaxial Cable
Cable Size		3"
Cable Type		Air Dielectric
Model Series		HCA300-50 Series
Connector Interface		3-1/8" EIA
Connector Type		Gas stop /Gas pass - See Note 1)
Sealing Method		O-ring seal
Gender		Female - See Note 2)

#### ELECTRICAL SPECIFICATIONS

VSWR, Return Loss	VSWR (dB)	0 < f ≤ 860 MHz: 1.02 (40.0)
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#### MECHANICAL SPECIFICATIONS

Plating Outer/Inner		Tri Plate/Silver
Length	mm (in)	164 (6.45)
Outer Diameter	mm (in)	136 (5.35)
Weight	kg (lb)	5.9 (13)
Outer Contact Attachment		Tab Flare



318EIA-HCA300-019 connector, dimensions in mm



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### 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 with -019KT suffix denote connectors that are supplied with an inner connector and flange hardware.  
Connector model -019 does not include an inner connector and flange hardware.