PRODUCT DATASHEET

318EIA-HCA300-019

3-1/8" EIA Connector for 3" Coaxial Cable, Gas stop/ Gas pass,O-Ring Sealing

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



318EIA Connector for HCA300 Cable

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

Insertion loss	dB	< 0.05dB
VSWR, Return Loss	VSWR (dB)	0 <f ≤ 860 MHz: 1.02 (40) 860 MHz <f ≤ 1.5 GHz: 1.05 (32)

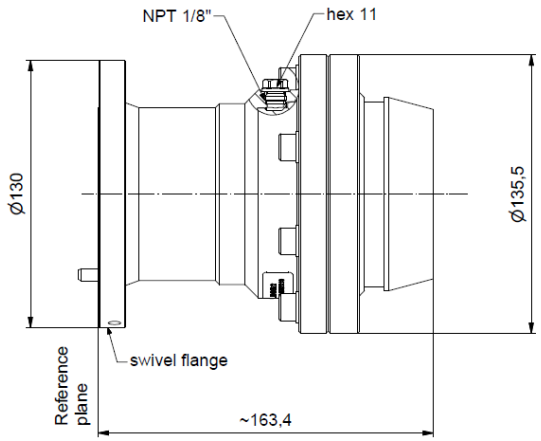
MECHANICAL SPECIFICATIONS

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

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

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318EIA-HCA300-019 connector, dimensions in mm

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 -019 does not include the inner connector and flange hardware which is necessary when mating two EIA connectors.

Model name with -019KT suffix denotes a connector kit which consists of a connector, an inner connector and a set of flange hardware.

3) Model name with -019KT suffix denotes a re-use kit for connector which includes 1x O rign for back nut, 1x gasket, 1x stub, 1x clamping ring, 1x vaseline package and 1x manul.

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