PRODUCT DATASHEET

78EIA-HCA78-019

7/8" EIA Connector for 7/8" Air Cable, Gas Stop/Pass, O-Ring Sealing

These high-performance air dielectric 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.
The connectors have excellent electrical values and provide outstanding performance for the most demanding applications. The connector design provides maximum sealing integrity and gas tightness.

FEATURES / BENEFITS

- Easy installation utilizing only basic hand tools. No need for sealing compound further simplify the process.
- 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.



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 and can be converted to gas pass by drilling.
Sealing Method		O-ring Sealing
Gender		Female - See Note 1) and Note 2)

ELECTRICAL SPECIFICATIONS

Nominal Impedance, ohms	Ohm	50
Insertion loss	dB	< 0.05dB
Connector Frequency Range	GHz	DC to 2.7 GHz
VSWR, Return Loss	VSWR (dB)	0 to 1 GHz: 1.02 (40) 1.0GHz to 2.7GHz: 1.05 (32)

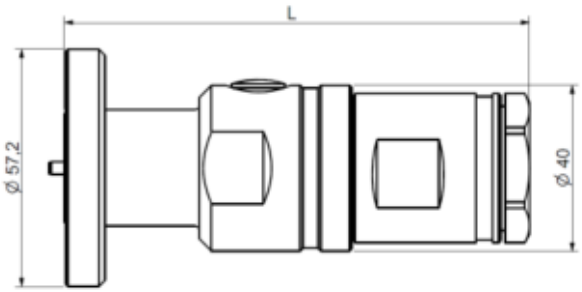
MECHANICAL SPECIFICATIONS

Plating Outer/Inner		Silver/Silver
Length	mm (in)	115 (4.53)
Outer Diameter	mm (in)	57.2 (2.25)
Weight	kg (lb)	0.6 (1.3)
Body Material		Copper Alloy
Inner Contact Material		Copper Alloy
Inner Contact Attachment		Threaded
Outer Contact Attachment		Tab Flare
Gas Inlet		M10 x 0.75 threaded hole

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

ACCESSORIES

Wrench size front	mm (in)	32 (1-1/4)
Wrench size rear	mm (in)	32 (1-1/4)



78EIA-HCA78-019 connector, dimensions in mm, L=115mm

External Document Links
Installation Instruction

Notes
1) Connector model with -019KT suffix denotes connectors that are supplied with a coupling element and flange hardware.

2) Connector model -019 does not include the coupling element and flange hardware.

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