



6-1/8" EIA Connector for 6-1/8" Coaxial Cable, Gas stop, compound sealing

Product Description

Radio Frequency Systems line of high performance HELIFLEX® coaxial cable connectors are characterized by excellent gas tightness and extremely low losses. HELIFLEX®Lite connectors can be installed with basic hand tools, but the use of dedicated installation tools further facilitates ease of assembly and improves performance.

RFS connectors are fully tested for mechanical and electrical compliance specifications. HELIFLEX®Lite premium 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.



Connector 6-1/8" EIA

Features/Benefits

- Lightweight
- Excellent gas tightness, Overpressure for increased voltage handling is maintained throughout the system.
- Robust Mechanical Design, Superior and consistent performance guarantees outstanding system characteristics.
- Extremely low reflection factor, Outstanding low reflection factor improves overall system performance and margin and reduces mismatch losses
- Totally Waterproof according to IP 66 / 68, Assures safe, long term operation in the harshest of environments. System tightness doesn't have to rely on overpressure from dehydration equipment.
- Easy to install, no special tools needed. Only basic hand tools required. No additional cost to the installer.
- RoHs (EU) and CRoHs (China) compliant, can be used on a global basis.

Technical Specifications

| | |
|------------------------------|------------------------------|
| Transmission Line Type | Coaxial Cable |
| Cable Size | 6-1/8" |
| Cable Type | Air Dielectric |
| Model Series | HCA618-50 Series |
| Connector Interface | 6-1/8" EIA |
| Connector Type | Gas stop /pass |
| Sealing Method | Sealing compound |
| Gender | Female |
| Plating Outer/Inner | Silver/Silver |
| Length, mm (in) | 291 (11.5) |
| Outer Diameter, mm (in) | 204 (8) |
| Weight, kg (lb) | 19.6 (43.2) |
| Inner Contact Attachment | Threaded |
| Outer Contact Attachment | Tab Flare |
| VSWR (Return Loss, dB) | 0 < f = 860 MHz: 1.02 (40.0) |
| Waterproof Level | IP66, IP68 |
| Sealing Volume, cm3 (ounces) | 300 (10.15) |

Notes

To join two cables with EIA connectors, two identical socket connectors are installed on either end of the cables to be joined, and a coupling element is used to make the connection of the center conductor.

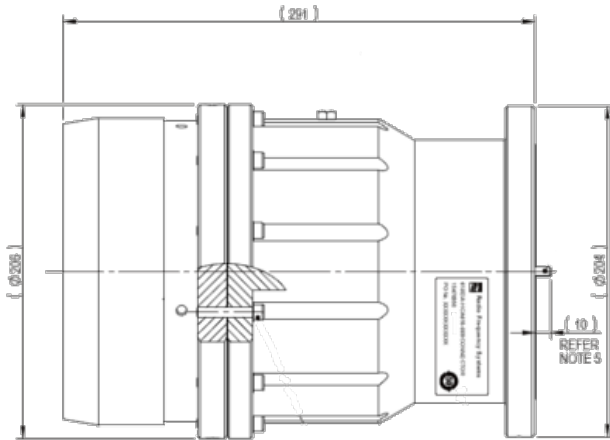
The coupling element must be ordered separately.

Other Documentation

Installation Instruction: [15470950H05.pdf](#)



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All information contained in the present datasheet is subject to confirmation at time of ordering