

7-16 DIN Female Connector for 1-5/8" RADIAFLEX® cable

Product Description

These premium performance coaxial cable connectors are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up the attachment of connectors to RADIAFLEX® cables. The connectors provide outstanding value to users because they permit quick, easy and reliable installation at any location, thereby allowing the operator flexibility while saving installation time and money. They attach to prepared cable in one piece assuring error-free attachment. All connectors are fully tested for mechanical and electrical compliance specifications.



RADIAFLEX connector 716F-RA158-P01

Features/Benefits

- Designed for Fast and Easy Installation - Reliable and simple attachment avoids unnecessary connector adjustments and provides outstanding performance. Saves time and provides cost savings.
- Robust Mechanical Design - Best in class PIM performance.
- Excellent Electrical Performance - Low VSWR
- Totally Waterproof - Assures safe, long term operation in the harshest of environments.

Technical Specifications

Transmission Line Type	Coaxial Cable
Cable Size	1-5/8"
Cable Type	Radiating
Model Series	all RLF, RLK, RLV and RAY158-50A-Series
Connector Interface	7-16 DIN
Nominal Impedance, ohms	50
Connector Type	Straight
Sealing Method	Shrinking Sleeve
Gender	Female
Length, mm (in)	92 (3.62)
Outer Diameter, mm (in)	55 (2.17)
Weight, kg (lb)	0.48 (1.058)
Body Material	Brass / Plating: Tri Metal
Inner Contact Material	Copper / Plating: Silver
Inner Contact Attachment	Spring Finger / Plating: Silver
Outer Contact Attachment	Spring Loop / Plating: Silver
3rd Order IM Product @ 2x20 Watts, dBc	-150; typical -155
Maximum Frequency, GHz	3.0
Poly Hook Spanner, mm (in)	PHS60-90-5 Ø 60-90 (2.4-3.5) Pin 5 (0.2)
Trimming Tool	TRIM-SET-R158-P01
Waterproof Level	IP66, IP68

Notes

In order to achieve the PIM specs. the use of the trimming tool is mandatory.

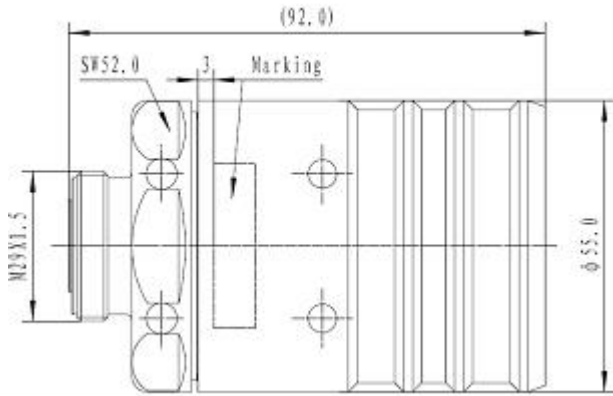
Other Documentation

Installation of Heat Shrink Sleeves: [1000009163-01_Application Note_Installation of Heat Shrink Sleeves for additional sealing of Connectors.pdf](#)

Installation Instruction: [1000008028-02_Inst_Con_RADIAFLEX 158-P01.pdf](#)



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