PRODUCT DATASHEET

716F-RA158-P02

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

The P02 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 should provide outstanding value to users because they permit quick, easy and reliable installation

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



716F-RA158-P02

Technical features

GENERAL SPECIFICATIONS

Transmission Line Type		Coaxial Cable
Cable Size		1-5/8
Cable Type		Radiating
Model Series		all RLF, RLK and RAY158-50A-Series
Connector Interface		7-16 DIN
Connector Type		Straight
Sealing Method		Shrinking Sleeve
Gender		Female

ELECTRICAL SPECIFICATIONS

Nominal Impedance, ohms	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	-155 / -160 (typ.)
Maximum Frequency	GHz	2.8
VSWR, Return Loss	VSWR (dB)	0.0-1.0 GHz: 1.03 (36.6) >1.0-2.0 GHz: 1.06 (30.7) >2.0-2.8 GHZ: 1.08 (28.3)

MECHANICAL SPECIFICATIONS

Length	mm (in)	81.4 (3.2)
Outer Diameter	mm (in)	59.5 (2.34)
Body Material		Brass / Plating: Tri Metal
Inner Contact Material		Copper / Plating: Silver
Inner Contact Attachment		Spring Finger / Plating: Silver

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

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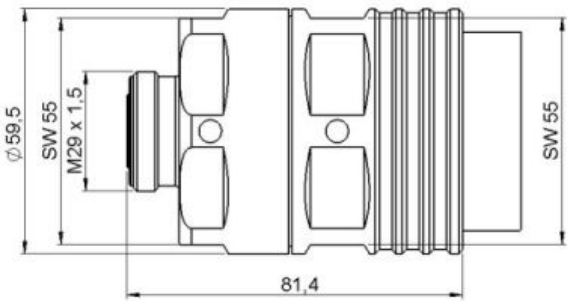
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ACCESSORIES

Wrench size front	mm (in)	SW 55 (2.16)
Wrench size rear	mm (in)	SW 55 (2.16)
Poly Hook Spanner	mm (in)	PHS60-90-5 Ø 60-90 (2.4-3.5)
Trimming Tool		TRIM-SET-R158-P02

TESTING AND ENVIRONMENTAL

Waterproof Level		IP68
Installation Temperature	°C(°F)	-25 to 60 (-13 to 140)
Storage Temperature	°C (°F)	-70 to 85 (-94 to 185)
Operation Temperature	°C(°F)	-40 to 85 (-40 to 185)



External Document Links

Installation of Heat Shrink Sleeves

Installation Instruction

Notes

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

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