PRODUCT DATASHEET

716F-RA114-P02

7-16 DIN Female Connector for 1-1/4" 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 at any location, thereby allowing the operator flexibility while saving installation time and money.

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-RA114-P02

Technical features

GENERAL SPECIFICATIONS

Transmission Line Type		Coaxial Cable
Cable Size		1-1/4
Cable Type		Radiating
Model Series		all RLF, RLK and RAY114-50A-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	3.7
VSWR, Return Loss	VSWR (dB)	0.0-1.0 GHz: 1.03 (36.6) >1.0-2.7 GHz: 1.06 (30.7) >2.7-3.7 GHz: 1.08 (28.3)

MECHANICAL SPECIFICATIONS

Length	mm (in)	81.4 (3.2)
Outer Diameter	mm (in)	48.8 (1.92)
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

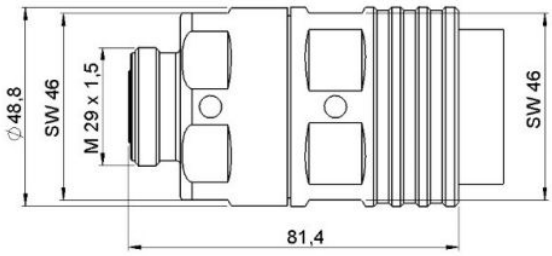
All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

ACCESSORIES

Wrench size front	mm (in)	SW 46 (1.81)
Wrench size rear	mm (in)	SW 46 (1.81)
Poly Hook Spanner	mm (in)	PHS60-90-5 Ø 60-90 (2.4-3.4)
Trimming Tool		TRIM-SET-R114-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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