

N Male Connector for 1/2" Coaxial Cable, OMNI FIT™ Premium,
Right Angle, O-Ring and compression sealing

Product Description

Radio Frequency Systems' line of high 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 CELLFLEX® coaxial cables. All RFS connectors are fully tested for mechanical and electrical compliance to industry specifications.

The N connector meets all technical requirements and covers high frequencies as well as legacy applications. Sealing against outer conductor and jacket by means of O-Ring and 360° compression fit. Multifunctional, self-lubricating HighTech polymer assembly locks on cable corrugation, avoids electrochemical potential differences and compression-fits to the jacket.



OMNI FIT™ Premium Connectors

Features/Benefits

- Ultra high PIM performance i.e. reduced interference leading to high customer satisfaction
- Two-piece design i.e. visual inspection of interlocking leads to improved installation security
- OMNI FIT™ concept i.e. streamlined order management and reduced stock level
- Watertight sealing in mated and unmated condition, i.e. reduced efforts during installation and improved security during operation
- Unique NiTin plating i.e. extreme resistance against corrosion even under hardest climatic and environmental circumstances
- Multi-thread (Tristart) design i.e. simplified and accelerated tightening process
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis

Technical Specifications

Transmission Line Type	Coaxial Cable
Cable Size	1/2"
Cable Type	Foam Dielectric
Mating Interface	N
Connector Type	OMNI FIT™ PREMIUM Right Angle
Sealing Method	O-Ring + 360° Compression
Gender	Male
Plating Outer/Inner	NiTIn
Length, mm (in)	64.6 (2.54)
Outer Diameter, mm (in)	52.3 (2.06)
Weight, kg (lb)	0.10 (0.26)
Inner Contact Attachment	Basket
Outer Contact Attachment	360° clamping
3rd Order IM Product @ 2x20 Watts, dBc	-156
VSWR (Return Loss) for DC < f ≤ 1.0GHz	1.04:1 (34.2 dB)
VSWR (Return Loss) for 1.0 < f ≤ 2.0GHz	1.06 (30.7 dB)
VSWR (Return Loss) for 2.0 < f ≤ 2.7GHz	1.08 (28.3 dB)
VSWR (Return Loss) for 2.7 < f ≤ 3.6GHz	1.10:1 (26.4 dB)
Wrench size front, mm (in)	27
Wrench size rear, mm (in)	27
Trimming Tool	TRIM-12-L TRIM-LCF12-D01-A
Waterproof Level	IP68

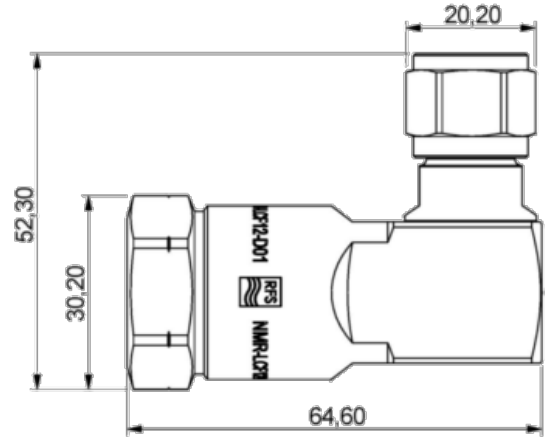
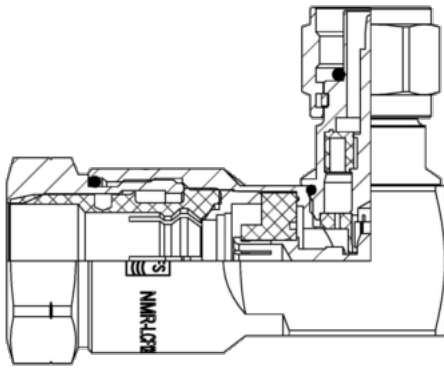
Notes

Other Documentation

Installation Instruction: [2800085-E.pdf](#)



N Male Connector for 1/2" Coaxial Cable, OMNI FIT™ Premium,
Right Angle, O-Ring and compression sealing



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