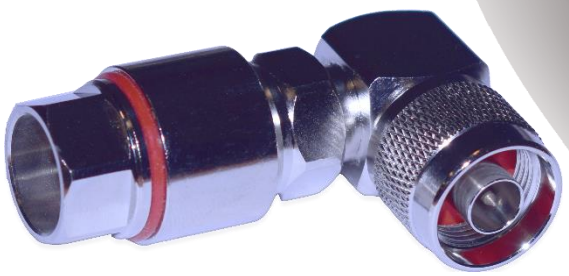
N Male Right Angle Connector

for 1/2" LCF feeder cable

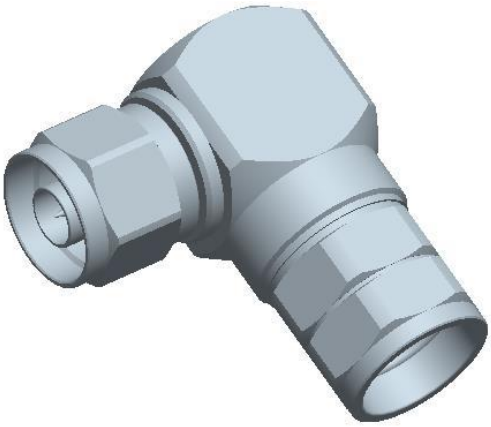


Rosenberger compatible Part Number:

½" LCF 53S2C7-C03N1

Information:

The 1/2 LCF N Type male RA Connector is superior performance for both return loss and intermodulation distortion. The connector is designed, manufactured and/or distributed under this quality management system (ISO9001 & ISO14001). Quality of the product is tested according to IEC and MIL Standards.



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Other Details

- Very robust, extremely stable and with waterproof specifications
- Low IMD and low VSWR provides improved system performance
- Excellent mechanical and environmental properties
- Water proof
- Excellent electrical conductivity
- Compliant with IEC, DIN EN, IEC 60529, RoHS

Technical Specification

Item	**DATA**
Connector	N male
Connector Description	N male connector for 1/2 LCF Cable
Mounting Angle	Right angle
Inner contact material	Brass/silver palting
Outer contact	Brass/Tri-alloy palating
Insulator	PTFE
Impedance	50 Ω
Frequency range	DC-3GHz
3rd order inter-modulation	≤-155 dBc@(2*20W)
Inner contact resistance	≤1.0 m Ω
Outer contact resistance	≤1.0 m Ω
Insulation resistance	≥5000MΩ*km
Dielectric withstanding voltage	≥2500 Vrms, 50Hz, at sea level
VSWR	≤1.15
Insertion loss	≤0.10dB
Temperature range	-40 °C to +85 °C
Protection degree	IP67
Standard	IEC 61169-16, IEC 60529, RoHS

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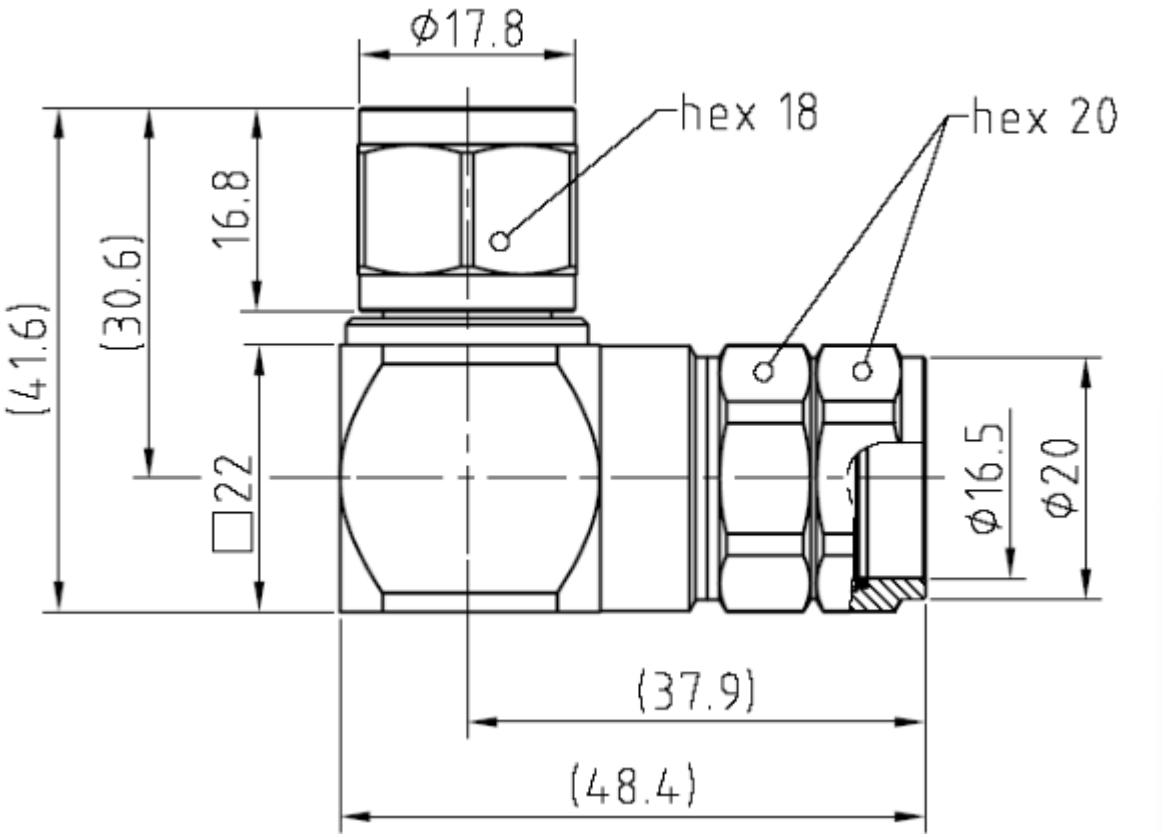
Electrical Characteristics		
Characteristics Impedance		50 Ohm
Frequency Range		DC~18GHz
Insulation Resistance		≥10000MΩ
Dielectric Withstanding Voltage		2500V rms
Operating Voltage		1400V rms
Center contact resistance		≤1.00 mΩ
Outer contact resistance		≤0.25 mΩ
Insertion Loss		@DC-2.7 GHz
VSWR	@DC-1.7 GHz	≤1.10
@1.7-2.7 GHz		≤1.13
PIM3		≤-155dBc
Environmental and Mechanical Specifications		
Durability (matings)		≥500 cycles
Mechanical Shock Test Method		MIL-STD-202, Method 213, Test Condition D
Vibration Test Method		MIL-STD-202, Meth. 204, Cond. A
Temperature Range		-65°C to +85°C
RoHS		Compliant



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