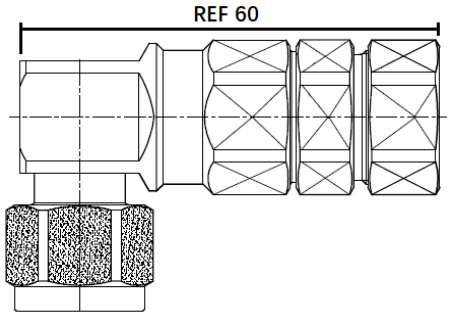
PR-RC3TB-NMA-C03

N male connector for 1/2” flexible cable, angled

Part number

PR-RC3TB-NMA-C03	N male connector for 1/2” flexible cable, angled
	According to IEC61169-16

Part list

NO.	Description	Material	Plating	Photo for reference
1	Inner conductor	Brass	Ag	
2	Insulator	PTFE		
3	Body	Brass	Tri-alloy	
4	Nut	Brass	Nickel	
5	Washer	Brass	Nickel	
6	Gasket	Silicone rubber		

Document

Document	MA_RC3TB-1/2 installation instruction

Electrical data

Characteristics impedance	50Ω
Frequency	DC to 6GHz
Insulation resistance	≥5000MΩ
Center contact resistance	1.0mΩ
Outer contact resistance	0.25mΩ
Dielectric withstanding voltage	2500V rms
Operating voltage	1000V rms
Insertion loss	$0.05*\sqrt{F}GHz$ dB
Return loss	≤-29dB @ DC-1.0GHz
	≤-27dB @ 1.0-2.2GHz
	≤-25dB @ 2.2-2.7GHz
	≤-23dB @ 2.7-3.8GHz
	≤-20dB @ 3.8-6.0GHz
DTF	≤-34dB @DC-1.0GHz
	≤-30dB @1.0-2.7GHz
	≤-26dB @2.7-3.8GHz
	≤-24dB @3.8-6.0GHz

Intermodulation (3rd Order)	≤-158dBc, 2x43dBm

Mechanical data

Interface	N male, angled
Suitable cable	1/2” flexible cable
Mating cycles	≥500 times
Coupling nut retention	≥450N
Connector torque proof recommend	0.7 to 1.3 N.m
Center contact captivation, axial	≥28N
radial	≥3 Ncm

Environment

Working temperature	-45°C to +85°C
Installation Temperature	-40°C to +50°C
Anti-UV	IEC 60068-2-5
Salt spray test Standard	48hr (IEC 60068-2-11)
Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition D
Vibration Test Method	MIL-STD-202, Meth. 204, Cond. A
IP protection	IP68, 24h @1m, 20℃
RoHS	Compliant

Notice

1, The connection should be covered with addition weatherproof kits for long time duration.

2, Connection molding shape may be changed during the product life-time due to the manufacture skill upgrade.