

PR-RCP-DF-C03

DIN female connector for 1/2" coaxial cable

PROSE

- 50Ω impedance
- DIN female interface
- Frequency 8.3 GHz
- High performance at RF return-loss and PIM
- Field installation
- Heavy duty, sturdy and durable

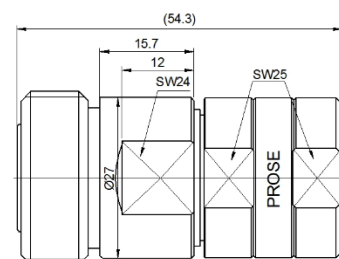


Photo for reference

Part number

PR-RCP-DF-C03	DIN female connector for 1/2" coaxial cable
	According to IEC61169-4

Part list

NO.	Description	Material	Plating
1	Inner conductor	Brass	Ag
2	Outer conductor	Brass	Copper-tin-zin
3	Body	Brass	Ni
4	Insulator	PTFE	
5	O-ring	Silicone rubber	

Document

Document	MA_RCP-1/2 installation instruction
----------	-------------------------------------

Electrical data

Characteristics impedance	50Ω
Insulation resistance	≥5000MΩ
Center contact resistance	1.0mΩ
Outer contact resistance	1.0mΩ
Dielectric withstanding voltage	2500V rms
Operating voltage	500V rms
Insertion loss	0.05*√F GHz dB
Return loss	≤-30dB @ DC-1.0GHz
	≤-28dB @ 1.0-2.2GHz
	≤-26dB @ 2.2-2.7GHz
	≤-24dB @ 2.7-3.8GHz
	≤-22dB @ 3.8-6.0GHz

DTF	$\leq -35\text{dB @DC-1.0GHz}$
	$\leq -32\text{dB @1.0-2.7GHz}$
	$\leq -28\text{dB @2.7-3.8GHz}$
	$\leq -26\text{dB @3.8-6.0GHz}$
Intermodulation (3 rd Order), 2x43dBm	$\leq -160\text{dBc}$

Mechanical data

Interface	DIN female
Suitable cable	1/2" series, PFC50E-12/ SL 012R PE/ LDF4-50A/ LCF12 and similar
Mating cycles	≥ 500 times
Coupling nut retention	$\geq 450\text{N}$
Connector torque proof recommend	25 to 30 N.m

Environment

Working temperature	-45°C to +85°C
Weather standard	IEC 60068 40/085/21
Thermal shock	IEC 60068-2-14-Na
Vibration	IEC 60068-2-6-Fc
Shock	IEC 60068-2-27
IP protection	IP68, mated pair
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.

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.