

PR-RCP1-DF-C07

DIN female connector for 1 5/8" coaxial cable

PROSE

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

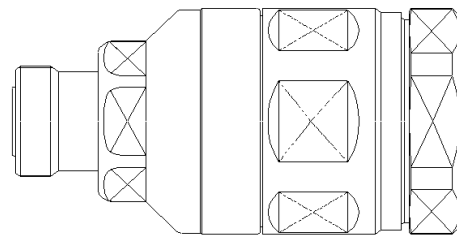


Photo for reference

Part number

PR-RCP1-DF-C07	DIN female connector for 1 5/8" coaxial cable
	According to IEC61169-4

Part list

NO.	Description	Material	Plating
1	Inner conductor	Bronze	Ag
2	Outer conductor	Brass	Tri-alloy
3	Body	Brass	Tri-alloy
4	Insulator	TPX	
5	O-ring	Silicone rubber	

Document

Document	MA_RCP1-1 5/8 installation instruction
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Electrical data

Characteristics impedance	50 Ω
Insulation resistance	$\geq 5000\text{M}\Omega$
Center contact resistance	1.0m Ω
Outer contact resistance	1.0m Ω
Dielectric withstanding voltage	2500V rms
Operating voltage	500V rms
Insertion loss	0.05* $\sqrt{F}$ GHz dB
Return loss	$\leq -30\text{dB @ DC-1.0GHz}$
	$\leq -28\text{dB @ 1.0-2.2GHz}$
	$\leq -26\text{dB @ 2.2-2.7GHz}$

DTF	≤ -35dB @DC-1.0GHz
	≤ -30dB @1.0-2.7GHz
Intermodulation (3 rd Order), 2x43dBm	≤ -160dBc

Mechanical data

Interface	DIN female
Suitable cable	1 5/8" series, PFC50E-158/ SL 158R PE/ AVA7-50/ LCF158 and similar
Mating cycles	≥ 100 times
Coupling nut retention	≥ 450N
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.

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