

PR-RCP-DF-C05

DIN female connector for 7/8" 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

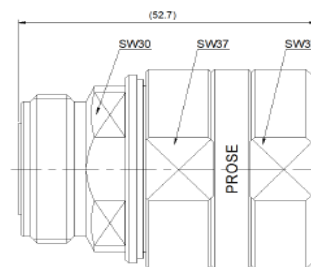


Photo for reference

Part number

PR-RCP-DF-C05	DIN female connector for 7/8" 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-7/8 installation instruction
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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 @ 3.8-5.0GHz

DTF	$\leq -35\text{dB @DC-1.0GHz}$
	$\leq -32\text{dB @1.0-2.7GHz}$
	$\leq -28\text{dB @2.7-3.8GHz}$
	$\leq -26\text{dB @3.8-5.0GHz}$
Intermodulation (3 rd Order), 2x43dBm	$\leq -160\text{dBc}$

Mechanical data

Interface	DIN female
Suitable cable	7/8" series, PFC50E-78/ SL 078R PE/ AVA5-50/ LCF78 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.

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