

PR-RCP1-43MH-C06L

4.3-10 male hand screw connector for 1 1/4" coaxial

PROSE

- 50 Ω impedance
- 4.3-10 male interface, hand screw type
- Field installation
- Frequency 12 GHz
- High performance at RF return-loss and PIM
- Heavy duty, sturdy and durable

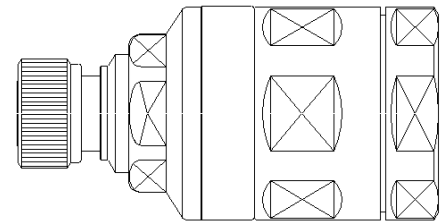


Photo for reference

Part number

PR-RCP1-43MH-C06L	4.3-10 male hand screw connector for 1 1/4" low loss coaxial cable
	According to IEC61169-54

Part list

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

Document

Document	MA_RCP1-1 1/4 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	$0.05 \cdot \sqrt{F} \text{ GHz dB}$
Return loss	$\leq -30\text{dB @ DC-1.0GHz}$
	$\leq -28\text{dB @ 1.0-2.2GHz}$
	$\leq -26\text{dB @ 2.2-2.7GHz}$
	$\leq -24\text{dB @ 2.7-3.8GHz}$

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

Mechanical data

Interface	4.3-10 male
Suitable cable	1 1/4" series, PLC50E-114/ SL 114R L PE/ AVA6-50/ LCF114 and similar
Mating cycles	≥ 100 times
Coupling nut retention	$\geq 450\text{N}$
Connector torque proof recommend	5 to 8 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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