

Telegartner 4.3-10 straight jack, clamp/clamp, G21 (1/2"), SIMFix Pro

SKU: ACC-TG-00014

MPN: 100025266

Description

The Telegärtner 4.3-10 Straight Jack, known for its robust design and precision engineering, is an exceptional coaxial RF connector designed for high-performance applications. This connector, under part number 100025266, features a straight body shape and free-hanging mounting style, making it ideal for integration with 1/2" corrugated cables. Constructed from durable brass with a gunmetal finish, and copper alloy inner contacts plated with copper-silver alloy, it ensures reliable conductivity and corrosion resistance.

Designed to endure over 100 mating cycles, it operates effectively within temperatures ranging from -40°C to 85°C. It supports frequencies from 0 to 6 GHz with a third-order PIM rating of ≤ -155 dBc, ensuring minimal interference in signal transmission. With an input impedance of 50Ω , inner and outer contact resistances of ≤ 1 m Ω , and an insulation resistance of ≥ 5000 m Ω , it guarantees excellent electrical performance...

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RF Connector Interface

RF Interface	Body Shape	Mounting
4.3-10 Female	Straight	Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	$\leq 1 \text{ m}\Omega$
PIM, 3rd Order:	$\leq -155 \text{ dBc}$	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 0.5 \text{ m}\Omega$
		RF Operating Voltage:	$\leq 2500 \text{ Vrms}$

VSWR Measurement

Frequency	Return Loss	Insertion Loss
2000 MHz	$\leq 36 \text{ dB}$	0.1 dB
4000 MHz	$\leq 32 \text{ dB}$	0.1 dB
8000 MHz	$\leq 28 \text{ dB}$	0.1 dB

Physical Specification

Cable Group:	1/2 Corrugated	Conductor Attachment:	Cable, Captivated
Body Material:	Brass	Contact Material:	Copper Alloy
Body Plating:	CuSnZn3	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Insulator Material:	Topas COC	Min. Operating Temperature:	-40 °C
Dimensions:	62 x 24.8	Max. Operating Temperature:	85 °C
Compliance/Certifications:	RoHS	Ingress Protection:	IP68
		Mating Cycles:	> 100

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