

Telegärtner 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 reliable performance, is a high-quality coaxial RF connector used in telecommunications and data communications. This connector is ideal for applications requiring low passive intermodulation (PIM) levels, making it suitable for high-frequency signal transmission in mobile network infrastructure. It supports a frequency range from 0 to 6 GHz, ensuring optimal signal integrity across various communication systems.

Designed for use with 1/2" corrugated cable types, this connector employs a cable-clamp attachment mechanism that ensures a secure and stable connection. Its brass construction with CuSnZn3 plating and inner copper alloy contacts with copper-silver alloy plating contribute to efficient electrical conductivity and durability. The connector is engineered to withstand over 100 mating cycles, ensuring long-term performance stability.

With an insulation resistance...

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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:	$\leq 2500 \text{ Vrms}$

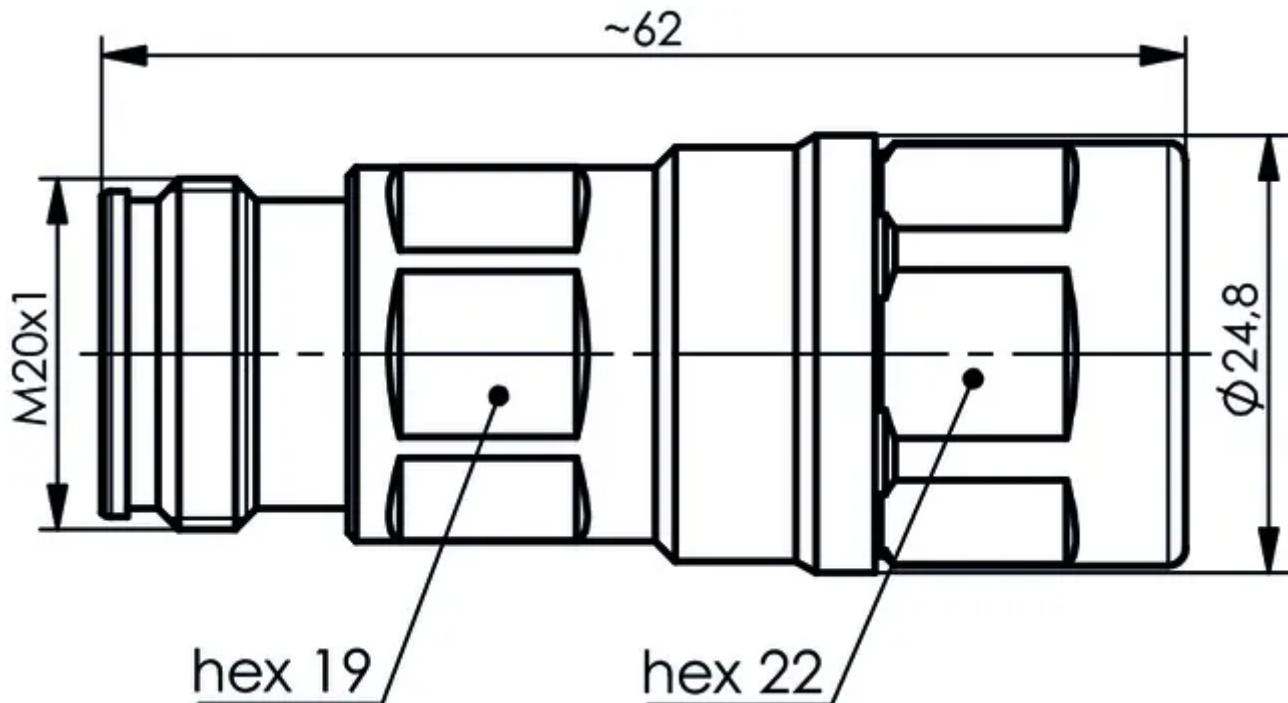
VSWR Measurement

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

Drawing



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