

# Telegärtner NEX10(r) Male Connector for RG-402 Cable, Straight Plug Screw G10 (UT-141)

SKU: ACC-TG-00046

MPN: 100025576

## Description

The Telegärtner NEX10 Male Connector is a high-performance RF connector designed for use with RG-402 cables. It plays a crucial role in telecommunications and data communications, providing reliable connectivity in applications that demand low passive intermodulation (PIM). This connector is suitable for high-frequency operations, supporting a frequency range from 0 to 6 GHz. The NEX10 connector's robust construction includes a brass body with a copper-silver alloy plating, ensuring durability and effective signal transmission. Its inner contacts are made from beryllium-copper-lead, further enhancing its conductivity and reliability.

Engineered for environments with fluctuating temperatures, this connector can operate between -55 °C and 125 °C. It maintains performance through over 100 mating cycles, making it ideal for repeated connections and disconnections. The connector features a solder attachment mechanism, ensuring a secure fit to...

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## Telegärtner



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# RF Connector Interface

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RF Interface	Body Shape	Mounting
NEX10 Male	Straight	Free Hanging

## RF Specification

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Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz		
Dielectric Withstand:	1500 Vrms		
PIM, 3rd Order:	≤ -160 dBc		

## VSWR Measurement

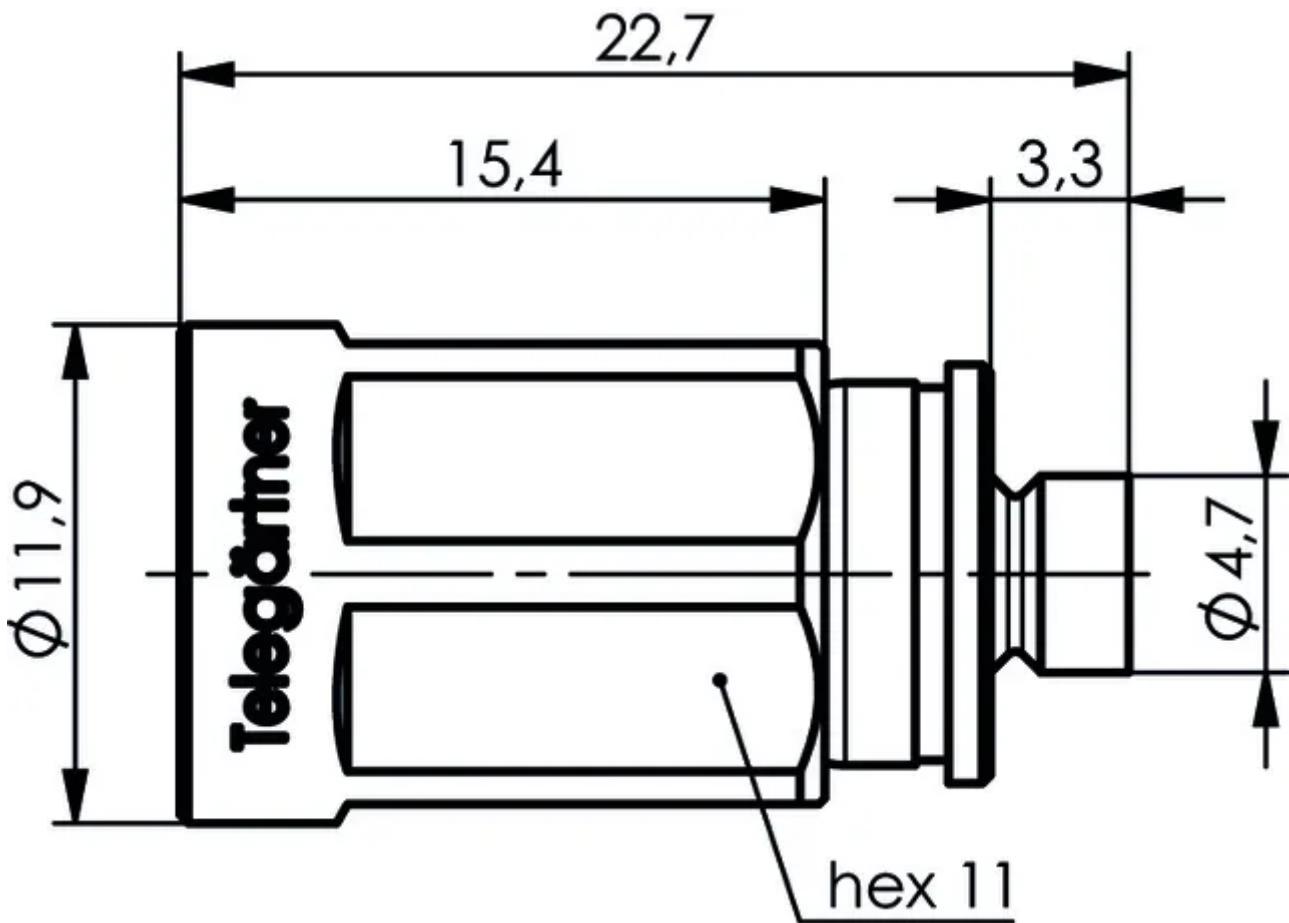
Frequency	Return Loss
2000 MHz	≤ 36 dB
4000 MHz	≤ 32 dB
6000 MHz	≤ 30 dB

## Physical Specification

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Cable Group:	RG-402	Conductor Attachment:	Cable, Solder
Body Material:	Brass	Contact Material:	Beryllium-Copper-Lead (CuBe2Pb)
Body Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-55 °C
Dimensions:	22.7 x 11.9 x 4.7	Max. Operating Temperature:	125 °C
Weight:	9 g	Ingress Protection:	IP68
Compliance/Certifications:	RoHS	Mating Cycles:	> 100

## Drawing



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