

# Telegärtner NEX10(r) Female 4-Hole Flange Connector for RG-402 Cable, Panel Jack G10 (UT-141)

SKU: ACC-TG-00045

MPN: 100032936

## Description

The Telegärtner NEX10® Female 4-Hole Flange Connector (SKU: ACC-TG-00045, Part Number: 100032936) is designed for high-performance RF applications, specifically for use with RG-402 cables. Featuring a straight body and 4-Hole Flange Front Mount, this connector ensures secure and efficient connections. With a robust brass body and gunmetal plating, it offers excellent durability, while the beryllium-copper-lead contacts with copper-silver alloy plating provide superior conductivity.

The connector's PTFE insulator allows it to withstand temperatures from -55 °C to 125 °C, making it suitable for various environmental conditions. It supports up to 100 mating cycles, operating efficiently across a frequency range of 0 to 6 GHz, with an input impedance of 50 Ω. The connector boasts a 3rd Order PIM rating of  $\leq -160$  dBc and can handle RF operating voltages up to 1000 Vrms.

This product meets ISO 9001 and RoHS compliance standards, ensuring...

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## Telegärtner



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# RF Connector Interface

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RF Interface	Body Shape	Mounting
NEX10 Female	Straight	4-Hole Flange

## RF Specification

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Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	RF Operating Voltage:	$\leq 1000$ Vrms
Peak Power:	0.1 kW		
PIM, 3rd Order:	$\leq -160$ dBc		

## VSWR Measurement

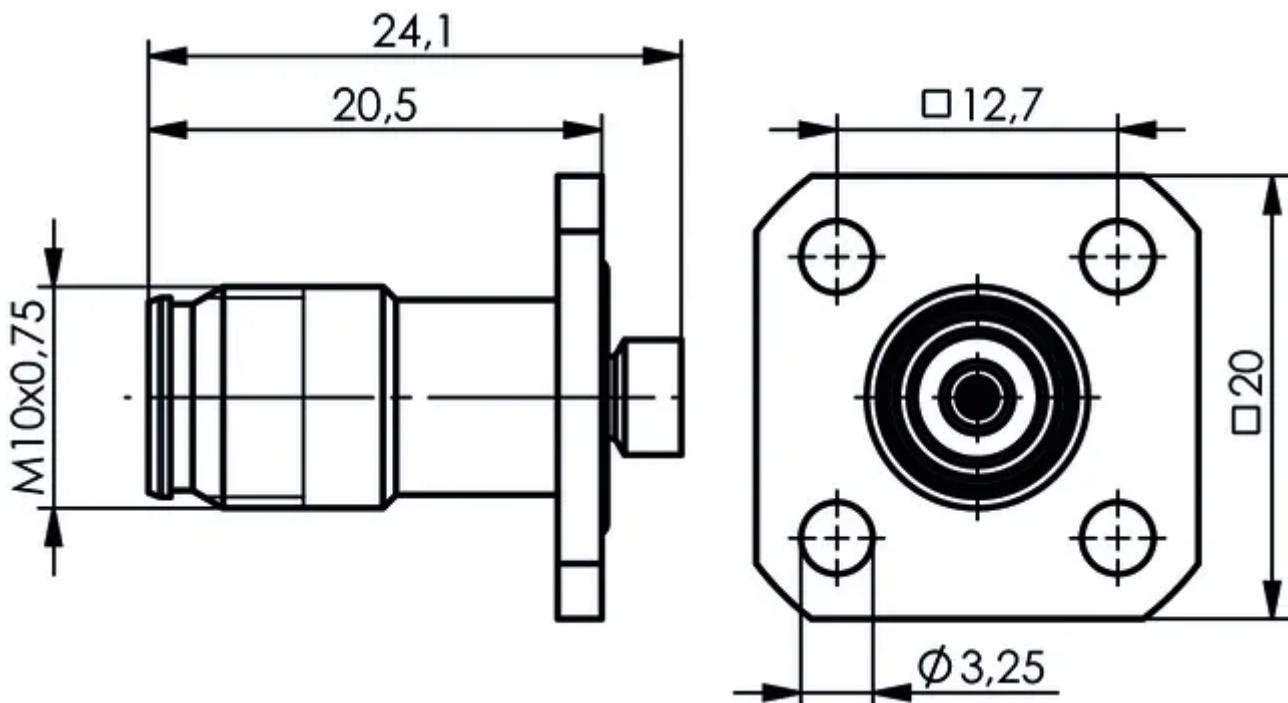
Frequency	Return Loss
2000 MHz	$\leq 36$ dB
4000 MHz	$\leq 32$ dB
6000 MHz	$\leq 28$ dB

## 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:	CuSnZn3	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Insulator Material:	PTFE / Teflon		
Dimensions:	24.1 × 20 × 20	Min. Operating Temperature:	-55 °C
Compliance/Certifications:	ISO 9001 Quality Management	Max. Operating Temperature:	125 °C
RoHS		Ingress Protection:	IP68
		Mating Cycles:	> 100

## Drawing



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