

Powertec Wireless Technology ABN: 42 082 948 463 PO Box 1034, Ashmore City Queensland, Australia, 4214 sales@powertec.com.au 1300 769 378

# Telegartner 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  $\Omega$ . 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...

Read More





#### Telegärtner

As family-owned company the Telegärtner Group has developed to an international network of affiliated companies specialising in intermediate and end products for telecommunications and data communications for customers with the most exacting demands for high-tech applications over the last 70 years.

Since the company was set up in 1945 Telegärtner has seen steady growth and has continually expanded ...

## RF Connector Interface

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

# RF Specification

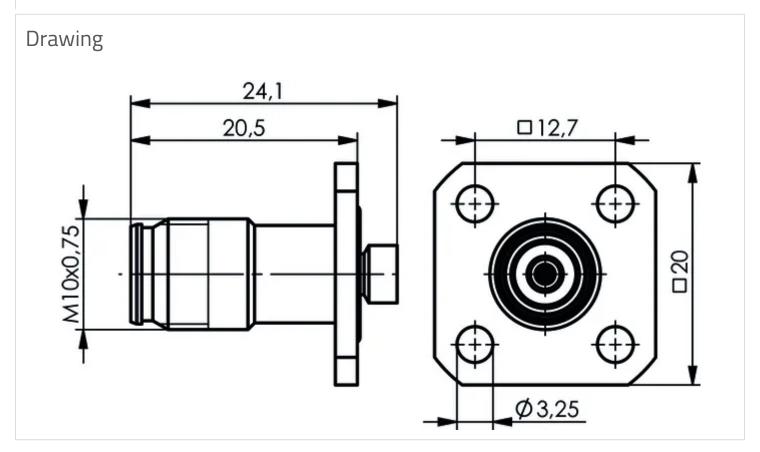
Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	RF Operating Voltage:	≤ 1000 Vrms
Peak Power:	0.1 kW		
PIM, 3rd Order:	≤ -160 dBc		

## **VSWR** Measurement

Frequency	Return Loss
2000 MHz	≤ 36 dB
4000 MHz	≤ 32 dB
6000 MHz	≤ 28 dB

## **Physical Specification**

Cable Group:	RG-402	Conductor Attachment:	Cable, Solder
Body Material:	Brass	Contact Material:	Beryllium-Copper-Lead
Body Plating:	CuSnZn3		(CuBe2Pb)
Insulator Material:	PTFE / Teflon	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
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



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

