

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

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## Description

The Telegartner 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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RF Connector Interface



| RF Interface | Body Shape | Mounting     |
|--------------|------------|--------------|
| NEX10 Male   | Straight   | Free Hanging |

## RF Specification



### Telegartner

As family-owned company the Telegartner 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 Telegartner has seen steady growth and has continually expanded ...

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

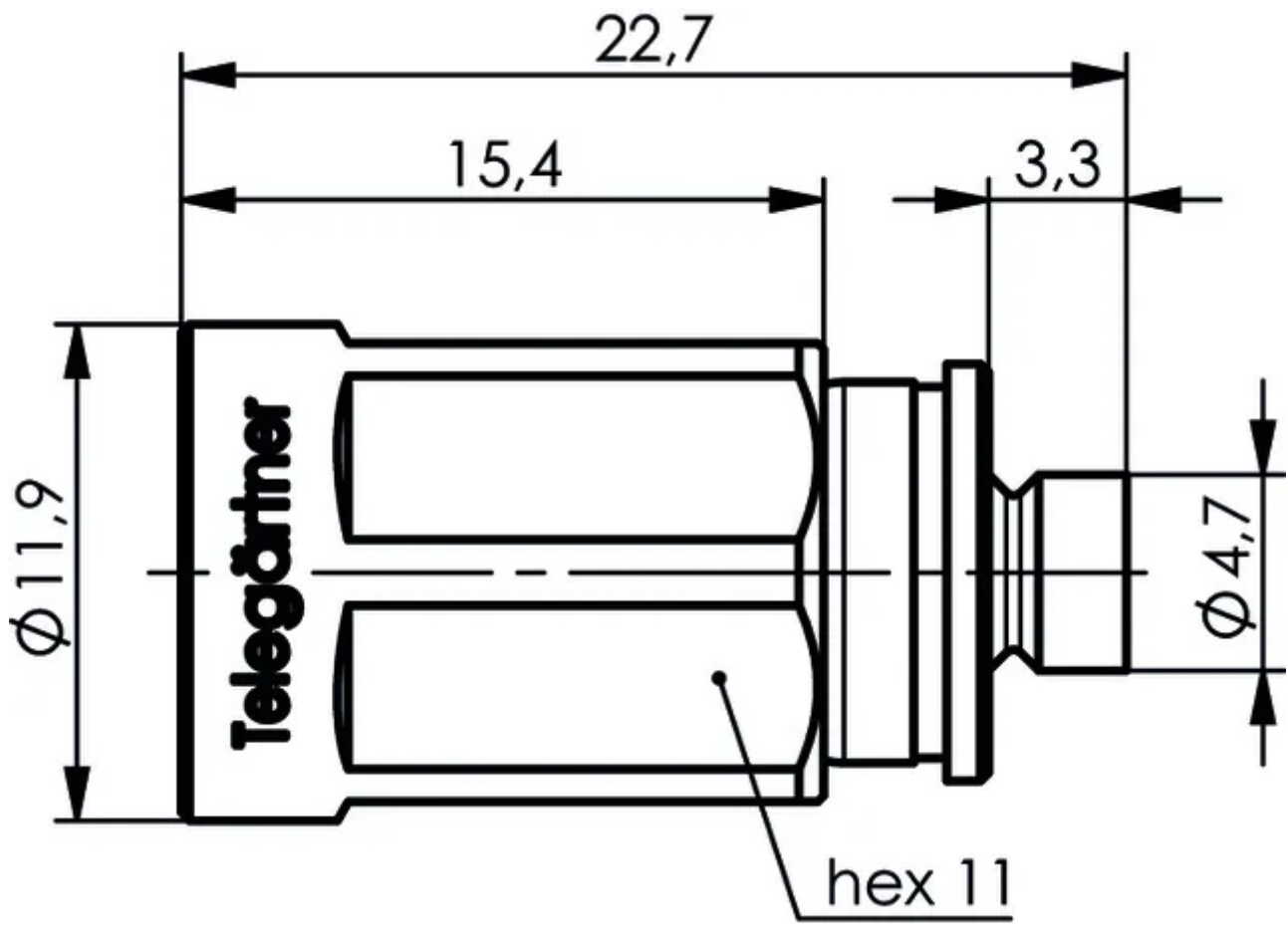
#### VSWR Measurement

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

## Physical Specification

|                            |                                       |                             |                                       |
|----------------------------|---------------------------------------|-----------------------------|---------------------------------------|
| 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 × 11.9 × 4.7                     | Max. Operating Temperature: | 125 °C                                |
| Weight:                    | 9 g                                   | Ingress Protection:         | IP68                                  |
| Compliance/Certifications: | RoHS                                  | Mating Cycles:              | > 100                                 |

Drawing



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