

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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RF Connector Interface

RF Interface

NEX10 Male

Body Shape

Straight

Mounting

Free Hanging

RF Specification

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

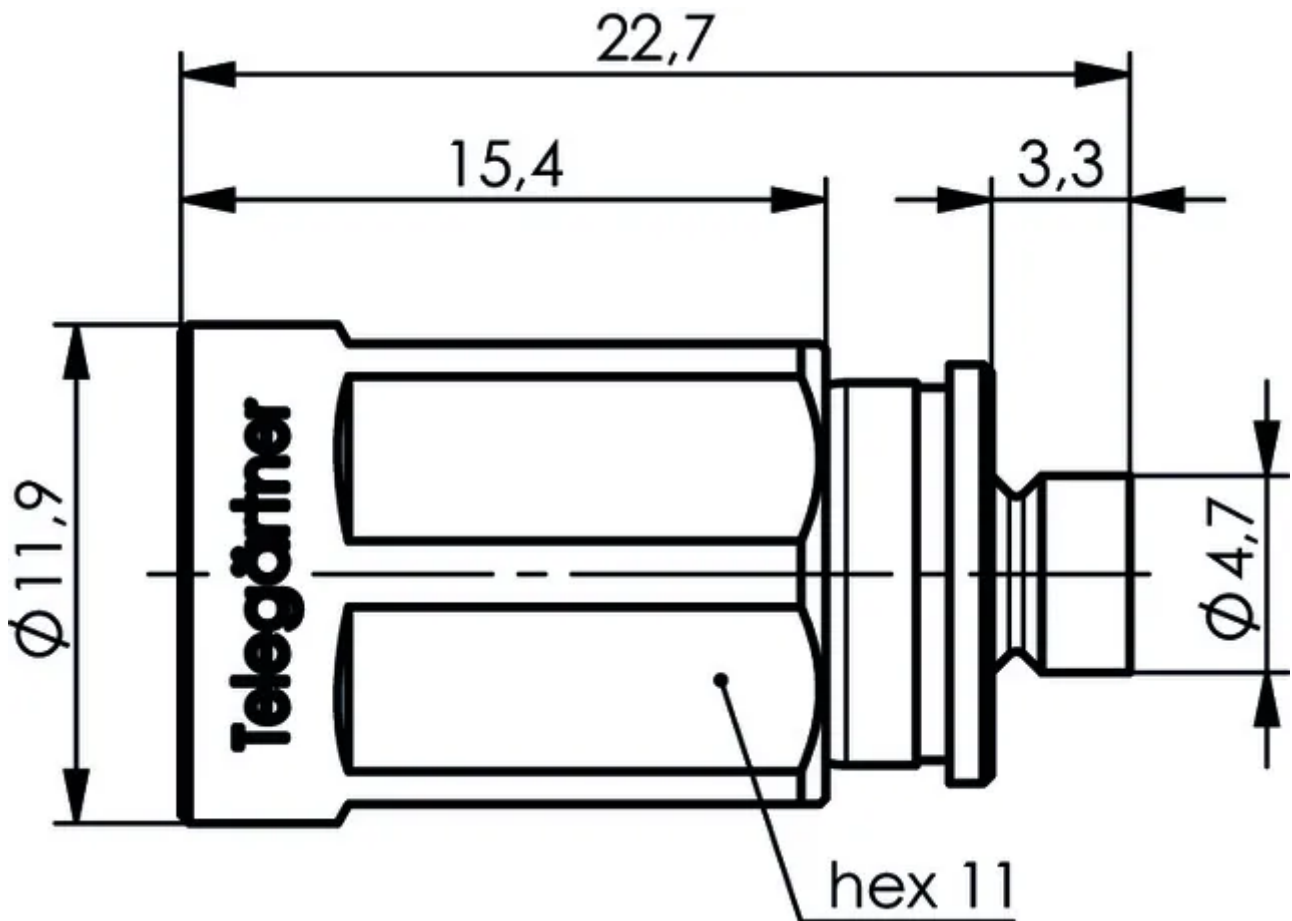
VSWR Measurement

| 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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