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Type N female to HN male Adapter



Technical Data Sheet

This Type N female to HN male adapter is one of several thousand RF products available from Max-Gain Systems, Inc. This adapter is a between series coaxial adapter.

This adapter is made from a Solid Brass body that is precision machined and plated with Nickel for superior performance and value. This Type N female to HN male adapter has a PTFE dielectric and a gold plated phosphor bronze center pin. The Type N female side provides a jack and threaded connection used in applications where a secure connection is needed. The HN male provides a threaded reliable connection for use at higher frequencies.

Material Specifications

Type N female to HN male Adapter

Part Number 8321

| Description | Material | Plating |
|---------------|-----------------|---------|
| Inner Contact | Brass | Nickel |
| Shell | Brass | Nickel |
| Insulator | PTFE | White |
| Gasket | Silicone | Red |
| Holding Ring | Phosphor Bronze | |
| Pin | Phosphor Bronze | Gold |
| Insulator | PTFE | White |
| Body | Brass | Nickel |

Mechanical Specifications

| Size | Dimension |
|--------|-------------------|
| Length | 1.58 in (40.1 mm) |
| Width | 0.868 in (22 mm) |
| Height | 0.868 in (22 mm) |
| Weight | 2 oz (58 g) |

Electrical Specifications

| Criteria | Dimension |
|---------------------|--------------|
| Impedance (Nominal) | 50 Ohms |
| Frequency Range | DC to 10 GHz |
| Working Voltage | 1,000 |

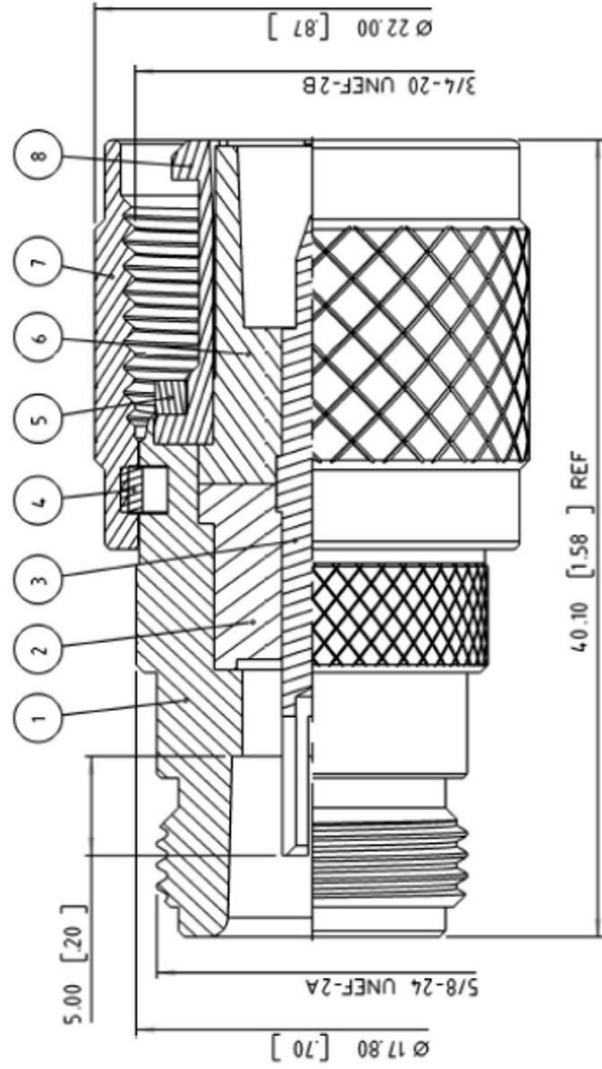
Environmental Specifications

| Temperature | Spec |
|-----------------|-------------------|
| Operating Range | -65 to +165 deg C |

Compliance Certifications (see product page for current documentation)

Availability Click the following link (or enter part number in the “SEARCH” bar at the top of any page of the website) to obtain additional part information including price, inventory and certifications: <https://mgs4u.com/product/type-n-female-to-hn-male-adapter/>

| | |
|-----------------|--------------|
| Working Voltage | 1,000 |
| Frequency Range | DC to 10 GHz |
| Impedance | 50 Ohms |



MGS MAX-GAIN SYSTEMS, INC.

Max-Gain Systems, Inc.
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TITLE: Type N female to HN male Adapter

DRAWING NO: 8321

CAGE CODE: 7JZZ8

| NO. | DESCRIPTION | MATERIAL | QTY | UNIT: mm | SCALE: . | PART NO | DATE |
|-----|---------------|-----------------|-----|----------|----------|----------|------|
| 8 | INNER CONTACT | BRASS | 1 | | | | |
| 7 | SHELL | BRASS | 1 | | | | |
| 6 | INSULATOR | TEFLON | 1 | | | | |
| 5 | GASKET | SILICONE | 1 | | | | |
| 4 | HOLDING RING | PHOSPHOR BRONZE | 1 | | | | |
| 3 | PIN | PHOSPHOR BRONZE | 1 | | | | |
| 2 | INSULATOR | TEFLON | 1 | | | | |
| 1 | BODY | BRASS | 1 | | | | |
| | | | | | | APPROVED | DATE |
| | | | | | | CHECKED | DATE |
| | | | | | | DRAWN | DATE |

UNLESS OTHERWISE SPECIFIED TOLERANCES
 0.5-5 = ±0.2
 5-30 = ±0.4
 30-120 = ±0.6
 120-315 = ±1.0
 315-1000 = ±1.6
 1000-2000 = ±2.4