

A Division of the Angelus Corporation  
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Approved : **FMB**

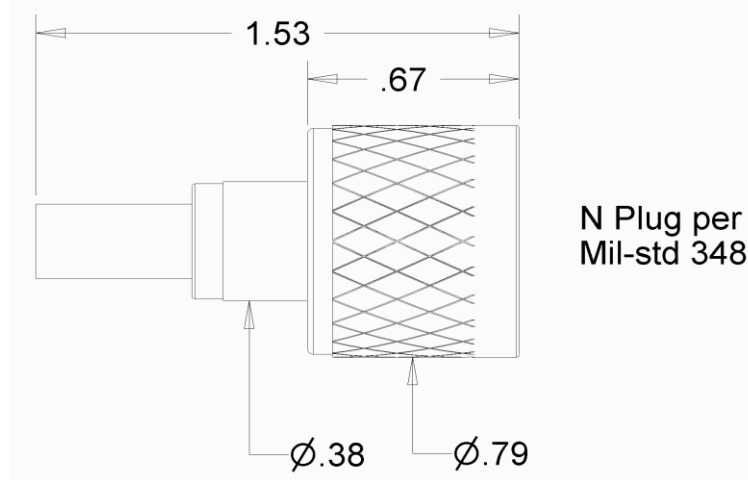
Date : 03/02/15

Rev. 5 (11/28/22)

Distribution : USER

Uncontrolled if Printed

### N Type 50 Ohm Straight Plug



Features Not Shown : Safety Wire Holes, Gasket in Front

#### PERFORMANCE

|                         |                             |
|-------------------------|-----------------------------|
| Nominal Impedance :     | 50 Ohms                     |
| Frequency Range :       | 0 - 12 GHz                  |
| Voltage Rating :        | 1000 V(rms)                 |
| Insulation Resistance : | 5000 Megohms                |
| DW Voltage :            | 1500 V (rms)                |
| Insertion Loss (max) :  | 0.17 dB max @ 12 GHz        |
| Insertion Loss :        | 0.05 $\sqrt{F(\text{GHz})}$ |
| Temperature Rating :    | -65° to +165° C             |
| VSWR: (MAX)             | 1.45: 1                     |

#### CONNECTOR WEIGHT (Each)

1.14 ounces (32.43 grams)

#### RoHS COMPLIANT

Complies to RoHS Standards

#### INSTALLATION

##### **Center Contact**

M22520 / 1-01 Tool  
 Selector Dial Setting #8  
 Positioner : M22520 / 1-09

##### **Crimp Ferrule**

M22520 / 5-01 Tool  
 M22520 / 5-11 Die Set  
 (.213" A hex)

#### CONSTRUCTION

##### **Materials:**

|               |  |
|---------------|--|
| Body          | Brass, ASTM-B16,<br>Alloy UNS 36000, H02   |
| Outer Contact | Beryllium Copper, ASTM-B196,<br>Alloy UNS C17300   |
| Cable Contact | Brass, ASTM-B16,<br>Alloy UNS 36000, H02   |
| Ferrule       | Tellurium Copper, ASTM-B301,<br>C14500, H02<br>Or Brass, ASTM-B16,<br>Alloy UNS 36000, Dead Soft,<br>Or Copper, ASTM-B152,<br>Alloy C12200 |
| Dielectric    | TFE Fluorocarbon, ASTM-D1710,<br>Type 1, Grade 1   |
| Gasket        | Silicone Rubber  |

##### **Finish :**

|                |        |
|----------------|--------|
| Body, Ferrule  | Nickel |
| Center Contact | Gold   |

#### APPLICABLE STANDARDS

MIL-STD 348, MIL-PRF-39012

##### **Notes :**

- 1) A 1.5" piece of Raychem ATUM heat shrink P/N ATUM-12/3-0 provided with connector for purpose of strain relief & moisture protection.
- 2) Please refer to T-1501XX Termination Instruction sheet for strip dimensions & instructions.