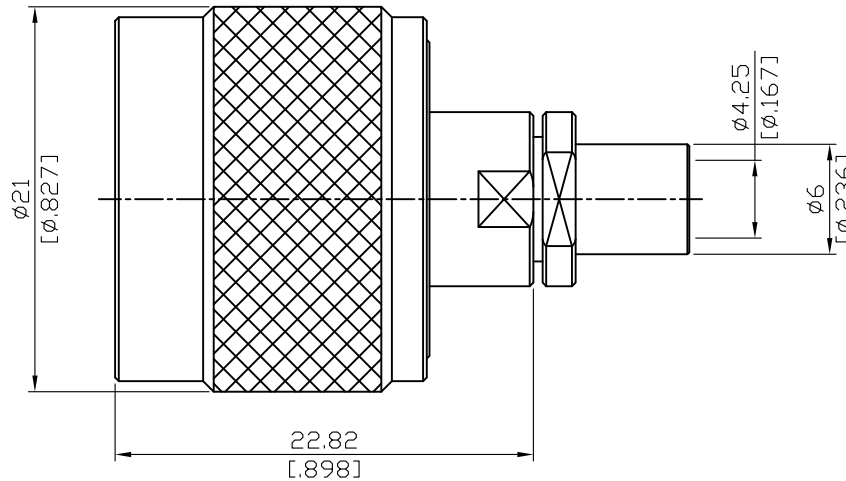


N3200-0402

N Plug Solder Clamp  
For RG402 Flexible; 18GHz VSWR 1.2\*

50Ω

勝特力電材超市-龍山店 886-3-5773766  
 勝特力電材超市-光復店 886-3-5729570  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
<http://www.100y.com.tw>



## Note:

1. Precision connector up to 18GHz.
  2. Solder clamp design ensures a sturdy connector/cable connection.
  3. Manufacturing low loss high frequency RF assemblies requires expertise.
- \*Using 5003

Parts	Material	Plating ( Micro-inch )
Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Solder Type	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Retainer Ring	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables: 5003, SS402, .141SRF-W-P-50-F, Multiflex141, T-flex 402

**Interface**

MIL-STD-348B

**Electrical Data**

Impedance	50Ω
Frequency range	DC to 18GHz
VSWR	≲ 1.2 (DC to 18GHz)
Insertion loss	≲ 0.05 x √f(GHz) dB
Insulation resistance	≳ 5000MΩ
Contact resistance inner conductor	≲ 1.5mΩ
Contact resistance outer conductor	≲ 1mΩ
Dielectric withstanding voltage (at sea level)	2500 V rms
Working voltage (at sea level)	1000 V rms

**Mechanical Data**

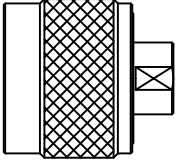
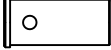

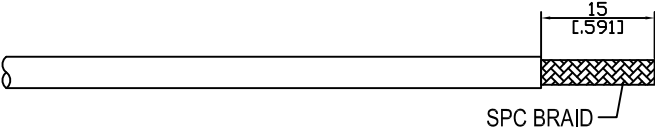
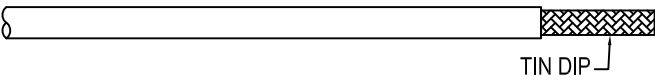
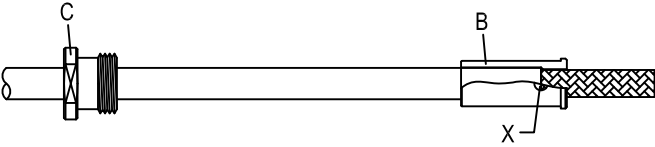
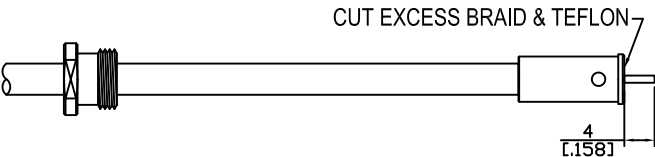
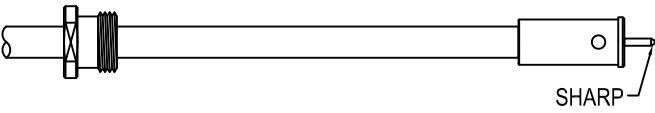
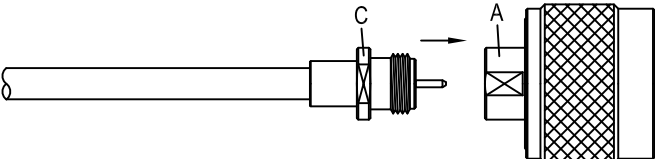
Recommended coupling nut torque	6 to 10 inch lbs
Coupling proof torque	15 inch lbs
Coupling nut retention force	≳ 101.2 lbs
Contact captivation-axial	≳ 6.3 lbs
Durability (mating)	≳ 500

**Environmental Data**

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Moisture resistance	MIL-STD-202, Method 106
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	Compliant

**Tooling**

# CABLE ASSEMBLY RECOMMENDATION

N3200-S402	DATE	2023/01/20	REV	A
<p style="text-align: center;">A</p>  <p style="text-align: center;">BODY</p>	<p style="text-align: center;">B</p>  <p style="text-align: center;">SOLDER FERRULE</p>	<p style="text-align: center;">C</p>  <p style="text-align: center;">CLAMP NUT</p>		
DIAGRAM	ASSEMBLY INSTRUCTION			
 <p style="text-align: right;">15 [.591]</p> <p style="text-align: right;">SPC BRAID</p>	<p>Step 1: STRIP AS SHOWN.</p> <div style="border: 2px solid red; padding: 5px; color: red; font-size: small;"> <p>勝特力電材超市-龍山店 886-3-5773766              勝特力電材超市-光復店 886-3-5729570              勝特力电子(上海) 86-21-34970699              勝特力电子(深圳) 86-755-83298787  <a href="http://www.100y.com.tw">http://www.100y.com.tw</a></p> </div>			
 <p style="text-align: right;">TIN DIP</p>	<p>Step 2: TIN DIP SPC BRAID.</p>			
 <p style="text-align: right;">X</p>	<p>Step 3: SLIDE NUT " C " AND SOLDER FERRULE " B " OVER THE CABLE.              Step 4: SOLDER IN " X " .</p>			
 <p style="text-align: right;">CUT EXCESS BRAID &amp; TEFLON</p> <p style="text-align: right;">4 [.158]</p>	<p>Step 5: CUT AWAY ANY EXCESS BRAID AND TEFLON STICKING OUT OF THE SOLDER FERRULE.              Step 6: CUT CENTER CONDUCTOR TO LENGTH.</p>			
 <p style="text-align: right;">SHARP</p>	<p>Step 7: SHARP THAT PART ON CENTER CONDUCTOR.</p>			
	<p>Step 8: FINALLY SCREW NUT " C " ON THE CONNECTOR BODY " A " .</p>			
APPROVED	CHECKED	DRAWING <i>Albert</i>		