

Electrical Specifications					
Frequency:	DC - 18.0 GHz				
Impedance	50 Ohms				
VSWR:	$1.06 + 0.005 \times f(\text{GHz})$				
Insertion Loss:	0.2 dB max.				
RF Leakage:	-90 dB max. to 3.0 GHz -75 dB max. to 18.0 GHz				
Insulation Resistance:	shall not be less than 5,000 megohms				
Dielectric Withstanding Voltage:	2,500 Volts rms at Sea Level				
RF High Potential Withstanding Voltage:	1,500 Volts rms at 5 MHz				
Mechanical Specifications					
Pull Off Force at Stainless Steel N Female:	4,50N min.				
Materials					
Steel	Corrosion resistant 1.4305 per DIN EN 10088-3 (ASTM-A-582-80) Corrosion resistant 1.4310 per DIN EN 10151				
Copper Beryllium	33-25 CuBe2Pb H per DIN 17666 (ASTM-B-196)				
Brass	CuZn39Pb3; CW614N, per DIN EN 12163/12164 (ASTM-B-16)				
Thermoplast	per DIN EN ISO 10350				
Finish					
Stainless Steel	Coupling Nut, Outer conductor, Locking Nut and other parts shall be passivated per ASTM-A-967.				
Copper Beryllium	Centre Contacts shall be gold plated to a minimum thickness of .00005 inch (1.27 µm) in accordance with ASTM-B-488, Type III, Code C, Class 125. Centre Contacts shall be gold plated to a minimum thickness of .000031 inch (0.75 µm) per ASTM-B-488, Type III, Code C, Class 0.75. Bolt's shall be Nickel plated to a minimum thickness of 0.005" (12.7 µm) per MIL-C-26074E, Class 1, Grade B				
Brass	Ferrules shall be gold plated to a minimum thickness of .000031 inch (0.75 µm) per ASTM-B-488, Type III, Code C, Class 0.75				

<p>The diagram illustrates the mechanical assembly of the 8002-NL61-02 adapter. It features a central body with a knurled section for manual operation. On the left, there are two male contacts labeled 'Male Push-On Locking' with diameters of $\phi 27 [1.063"]$. On the right, there is a female contact labeled 'Female' with a diameter of $\phi 23 [.906"]$. The total length of the device is specified as approximately $42.8 [1.686"]$. A dimension of $5/8"-24$ indicates the thread size for the rear nut. The drawing also shows a cross-section of the internal components, including a non-locking rear nut.</p>									
DRAWING-SETS									
8002-NL61-02									
SURFACE TREATMENT									
ADN. TOL.									
ISO 1302									
SCALE									
WEIGHT									
MATERIAL									
DESCRIPTION									
Straight, Locking with Non-Locking Rear Nut									
N Male Push On to N Female Adapter									
8002-NL61-02									
SHEET									
OF									
KUZ									

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