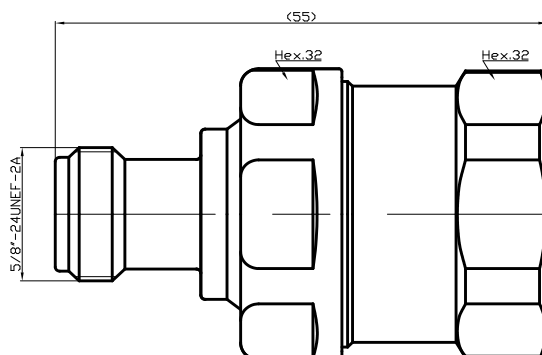


ST-NF-22-YG23/00

1. Figure



2. Product Description

NF-7/8"L

N Straight Female Connector for 7/8" Flexible RF Cable

3. Material and Plating

Socket-Centre contact	Tin Bronze / Silver Plated
Outer contact & Body	Brass / Trimetal Plated
Dielectric	TPX
Gasket	Silicon Rubber
Nut	/

4. Electrical Characteristics

Characteristics Impedance	50 Ohm
Insulation Resistance	$\geq 5000\text{M}\Omega$
Centre contact resistance	$\leq 1.00\text{ m}\Omega$
Outer contact resistance	$\leq 0.25\text{ m}\Omega$
Dielectric Withstanding Voltage	2000V rms(AC)
Insertion Loss @690-960 MHz	$\leq 0.10\text{dB}$
@1700-2700 MHz	$\leq 0.15\text{dB}$
@2700-3000 MHz	$\leq 0.20\text{dB}$
@3000-5000 MHz	$\leq 0.25\text{dB}$
VSWR @690-960 MHz	≤ 1.10
@1700-2700 MHz	≤ 1.13
@2700-3000 MHz	≤ 1.15
@3000-5000 MHz	≤ 1.20
PIM3 @1800MHz	$\leq -150\text{dBc}$

5. Environmental and Mechanical Specifications

Gauge retention force	
Centre contact	$\geq 0.56\text{ N}$
Outer contact	/
Coupling nut torque	0.7-1.1 N·m
Coupling nut retention force	$\geq 250\text{ N}$
Durability (matings)	$\geq 500\text{ cycles}$
Axial holding force of center conductor	28 N
Shock	As per std:IEC 60068-2-27/GB/T 2423.5
Vibration	As per std:IEC 60068-2-6/GB/T 2423.10
Salt mist	As per std:IEC 60068-2-11/GB/T 2423.17(48H)
Temperature Range	-45°C to +85°C
RoHS	Compliant
Sealing Class	IP68