TECHNICAL DATA SHEET

CONNECTOR 1/2 | **PICASS-CONNECTOR-12NM**

1. N (M) 1/2" RF Connector is in accordance with IEC60169-16: 1982

2. Male interface screw thread: 5/8-24UNEF-2B

3. Material and plating

Name of part	Material	Plating	Thickness of plating
Shell	Brass (HPb59-1)	Nickel plated	5μ
Connecting nut	Brass (HPb59-1)	Nickel plated	5μ
Stop ring	Bronze		
Collar	Brass (HPb59-1)	Nickel plated	5μ
Sealing	Silicone rubber		
End cover	PTEF (SFX- 1)	Silver p lated	5μ
Probe	Bronze (QSn6.5-0. 1)		5μ
Guide	Brass (HPb59-1)	Nickel plated	5μ
Insulator	PTEF (SFX-1)		
Clamp	Brass (H Pb59-1)	Nickel plated	7μ

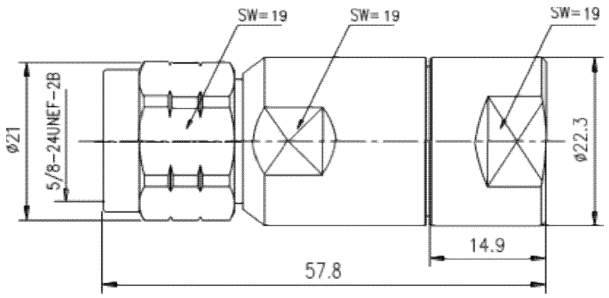
4. Working environment:

Working temperature: -40°C~+85°C

Relative moisture: 90%~95% (at 40±2°C)

Atmospheric pressure: 70~106 KPa

5. Dimensions:



6. Mechanical characteristics

Retention force (N)		0.56
Contact resistance (mΩ)	Inner conductor	≤0.4
	Outer conductor	≤0.25
Insulation resistance (MΩ)		≥104
Withstanding voltage AC (V/min)		2500
VSWR (0~2GHz)		≤1.1
PIM		≤-160dBc
Frequency range		0-11GHz
Impedance (Ω)		50
Durability		500 Cycles

7. When results tested by different analyzers are different should adopt the HP testing device as criteria.

1. N Male (RA) 1 /2" RF Connector is in accordance with IEC60169-16: 1982

2. Male interface screw thread: 5/8-24UNEF-2B

3. Material and plating

Name of part	Material	Plating	Thickness of plating
Shell	Brass (HPb59-1)	Nickel plated	5μ
Connecting nut	Brass (HPb59-1)	Nickel plated	5μ
Stop ring	Bronze		
Collar	Brass (HPb59-1)	Nickel plated	5μ
Sealing	Silicone rubber		
End cover	PTEF (SFX- 1)	Silver p lated	5μ
Probe	Bronze (QSn6.5-0.1)		5μ
Guide	Brass (HPb59-1)	Nickel plated	5μ
Insulator	PTEF (SFX-1)		
Clamp	Brass (H Pb59-1)	Nickel plated	7μ

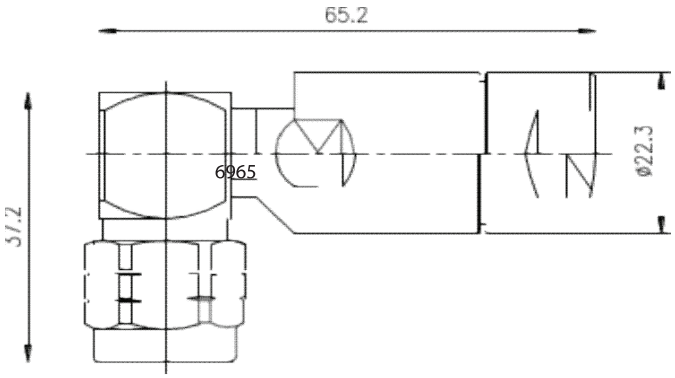
4. Working environment:

Working temperature: -40℃~+85℃

Relative moisture: 90%~95% (at 40±2℃)

Atmospheric pressure: (70~106) KPa

5. Dimensions:



6. Mechanical characteristics

Retention force (N)		0.56
Contact resistance (mΩ)	Inner conductor	≤0.4
	Outer conductor	≤0.25
Insulation resistance (MΩ)		≥104
Withstanding voltage AC (V/min)		2500
VSWR (0~2GHz)		≤1.15
PIM		≤-160dBc
Frequency range		0-11GHz
Impedance (Ω)		50
Durability		500 Cycles

7. When results tested by different analyzers are different should adopt the HP testing device as criteria.

1. DIN (F) 7/8 RF Connector is in accordance with IEC60169-4: 1975

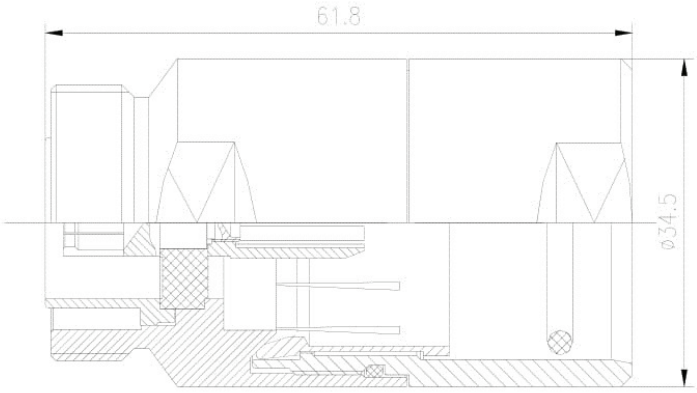
2. Male interface screw thread: M29*1.5

3. Material and plating

Name of part	Material	Plating	Thickness of plating
Shell	Brass (HPb59-1)	Silver plated	7μ
Insert hole	Bronze(QSn6.5-0.1)	Silver plated	≥5μ
Sealing	Silicone rubber		
Inner conductor	Bronze(QSn6.5-0.1)	Silver plated	≥5μ
Guide	Brass (HPb59-1)	Nickel plated	7μ
Insulator	PTEF (SFX-1)		
Clamp	Brass (HPb59-1)	Nickel plated	7μ

4. Working environment: Working temperature: -40~+85°
Relative moisture : 90% ~95 % (Temperature: 40±2°C)
Atmospheric pressure: (70~106)KPa

5. Dimensions:



6. Mechanical characteristics

Retention force (N)		18≥G≥6
Contact resistance (mΩ)	Inner conductor	≤0.4
	Outer conductor	0.25
Insulation resistance (MΩ)		≥104
Withstanding voltage AC (V/min)		4000
VSWR (0~2GHz)		≤1.1
PIM		≤-160dBc
Frequency range		0-7.5GHz
Impedance (Ω)		50
Durability		500 Cycles

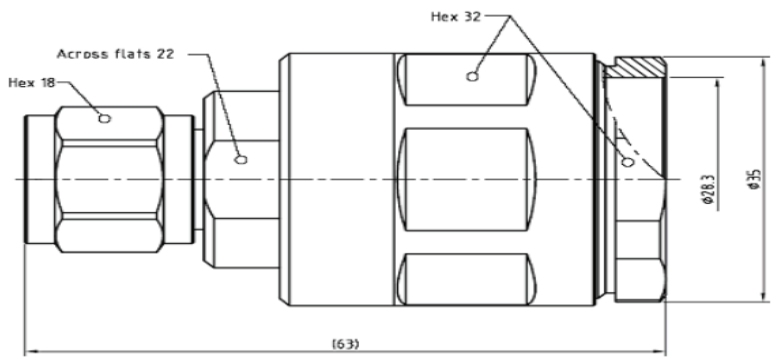
7. When results tested by different analyzers are different should adopt the HP testing device as criteria.

1. N (M) 7/8 RF Connector is in accordance with IEC60169-16: 1982
2. Male interface screw thread: 5/8-24UNEF-2B
3. Material and plating

Name of part	Material	Plating	Thickness of plating
Shell	Brass (HPb59-1)	Nickel plated	5μ
Connecting nut	Brass (HPb59-1)	Nickel plated	5μ
Stop ring	Bronze		
Collar	Brass (HPb59-1)	Nickel plated	5μ
Sealing	Silicone rubber		
End cover	PTEF (SFX-1)	Silver plated	5μ
Probe	Bronze(QSn6.5-0.1)		5μ
Guide	Brass (HPb59-1)	Nickel plated	5μ
Insulator	PTEF (SFX-1)		
Clamp	Brass (HPb59-1)	Nickel plated	5μ

4. Working environment: Working temperature: -40°C+85°C
Relative moisture : 90% - 95% (at 40+2°C)
Atmospheric pressure: (70-106)KPa

5. Dimensions:



6. Mechanical characteristics

Mating cycles	≥ 500
Coupling nut retention	≥ 450N
Enter contact captivation	axial ≥ 28N radial ≥ 3 Nm
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm

7. When results tested by different analyzers are different should adopt the HP testing device as criteria.