

N Connector

N connectors are very robust, reliable classical connectors with screw locking system in medium dimensions which are characterized by high degree of protection, weatherproof and well intermodulation. They are excellent qualified for cable connectors used in mobile base stations and antennas.

◆ Features

Interface and quality tested according to IEC 60169-16.

Frequency range up to 6GHz

VSWR(straight connector): ≤ 1.2 typ.

Screw lock coupling system

High degree of protection, waterproof

◆ Applications

Cable connectors (straight and right angle) for flexible, semi-flex and semi-rigid cables

Panel connectors

Wideband power splitters

Terminations

Adaptors

Specifications

Electrical Characteristics

Impedance	50 Ω
Frequency range	0~6GHz
VSWR	≤ 1.20 typ
Insulation resistance	$\geq 5000M\Omega$
Center contact resistance	$\leq 1.0m\Omega$
Outer contact resistance	$\leq 0.25m\Omega$
Withstand voltage	2500 V rms
Working voltage	1400V
RF-leakage(dB)	$\geq 128dB@1GHz$

Mechanical Characteristics

Coupling torque	0.8Nm~1.1Nm
Coupling nut retention	$\geq 450N$
Center contact captivation	28N
Center contact retention force	$\geq 0.56N$
Mating cycles	≥ 500



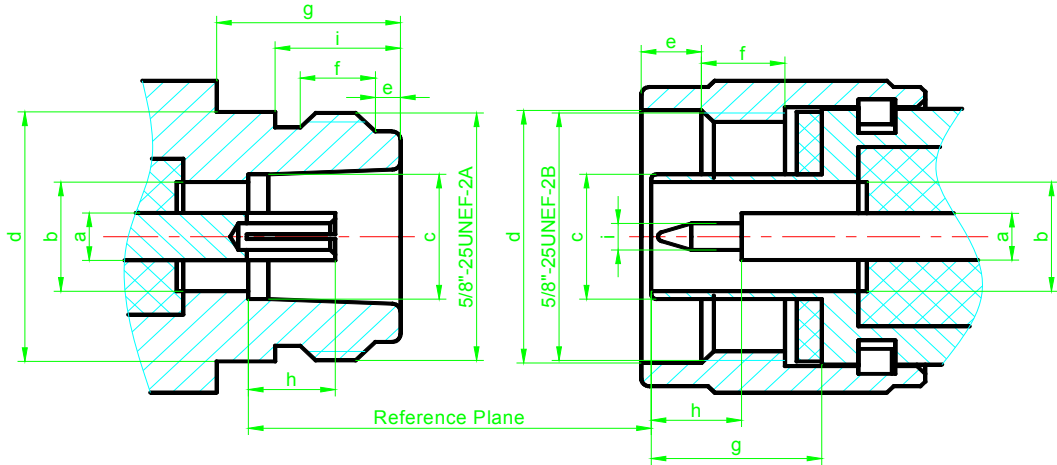
Specialized Manufacturer of RF connector & Cable assemblies

TEL:+86-519-88795138 FAX:+86-519-88522108 www.xinsheng-elec.com sales@xinsheng-elec.com

Environmental Data	
Temperature range	-55°C~+155°C
Moisture resistance	IEC 61169-1,Subclause9.4.3
Rapid change of temperature	IEC 61169-1,Subclause9.4.4
Vibration	IEC 61169-1,Subclause9.3.3
Shock	IEC 61169-1,Subclause9.3.14
Corrosion resistance	IEC 61169-1,Subclause9.4.6

Materials	
Body	CuZn/ Ni/CuZnSn plating
Outer contact	CuZn/ Ni/CuZnSn plating
Center contact	CuZn/CuSn/ Ag/Au plating
Insulator	PTFE

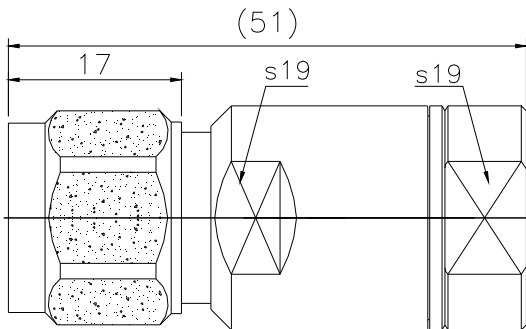
Interface Dimensions



N (50hm) Series				
Code	Male (Jack)		Female (Plug)	
	Min	Max	Min	Max
A	3.04nom		3.04nom	
B	7.00nom		7.00nom	
C	8.027	8.13		8.03
D		18.93	16	
E	1.91	1.93	4.013	4.267
F	4.37		4.5	
G	10.72		9.25	
H	4.75	5.26	5.33	
I	6.76		1.6	1.676

1) Contact diameters refer to 50 Ohm.
2) Resilient, dim. to meet electrical and mechanical requirements
3) All dimensions are in mm, tolerance according to ISO2768 m-H.

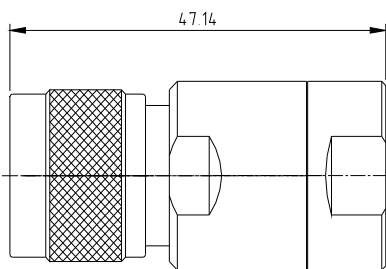




N-J1/2BZ

Part No: 5060008

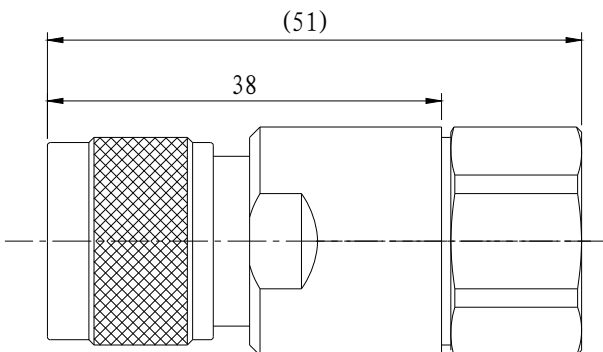
Inner conductor	Brass(Silver-Plating)
Outer conductor	Brass(Nickel-Plating)
Insulator	PTFE



N-J1/2BZ-1

Part No: 5060018

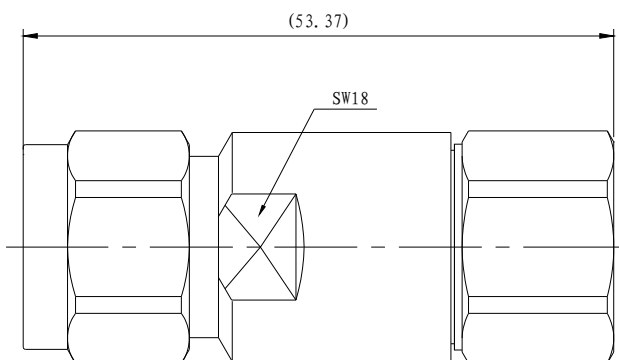
Inner conductor	Brass(Silver-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-J1/2BZ-2

Part No: 5060079

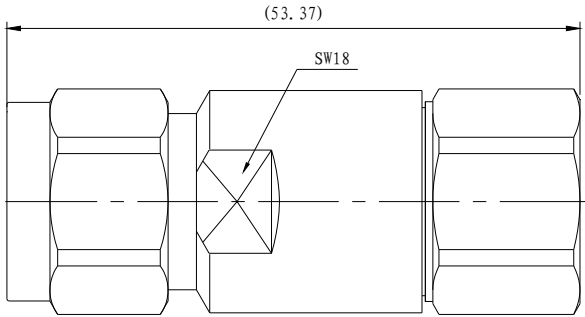
Inner conductor	Brass(Silver-Plating)
Outer conductor	Brass(Nickel-Plating)
Insulator	PTFE



N-J1/2BZ-6

Part No: 5060280

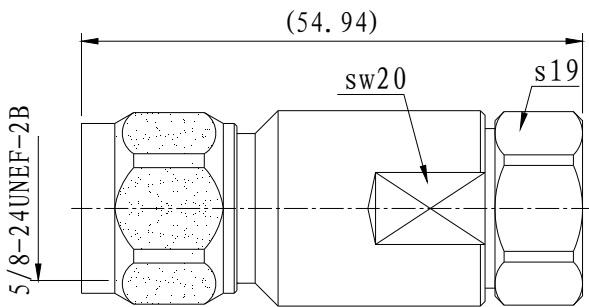
Inner conductor	Phosphor Bronze(Silver-Plating)
Outer conductor	Brass(Nickel-Plating)
Insulator	PTFE



N-J1/2BZ-7

Part No: 5060294

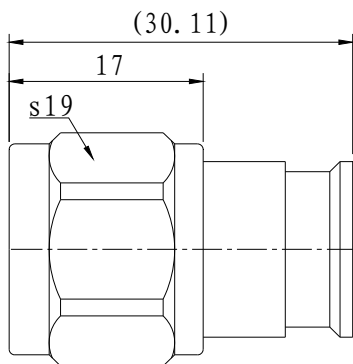
Inner conductor	Phosphor Bronze(Silver-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-J1/2CZ

Part No: 5060055

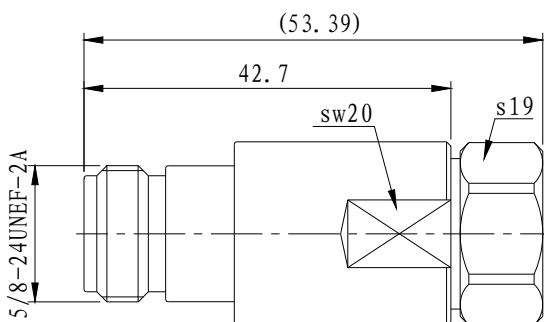
Inner conductor	Brass(Silver-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-J1/2CH

Part No: 5060068

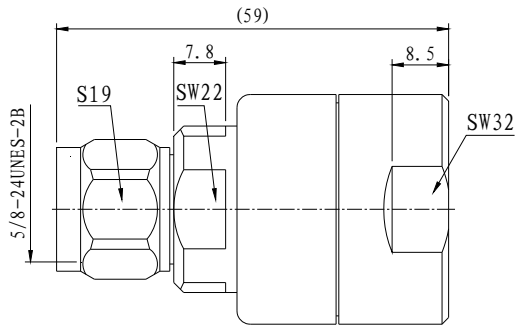
Inner conductor	Brass(Silver-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



NF-1/2CH

Part No: 5060034

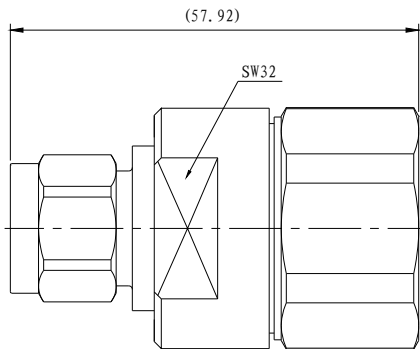
Inner conductor	Phosphor Bronze(Silver-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-J7/8BZ

Part No: 5060037

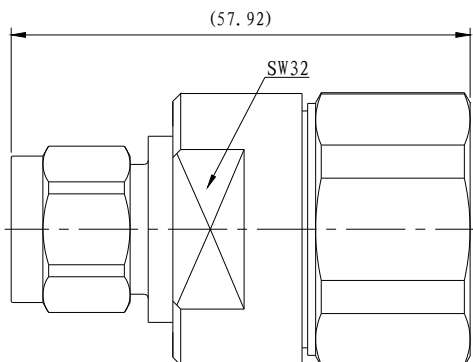
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Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-J7/8BZ-1

Part No: 5060132

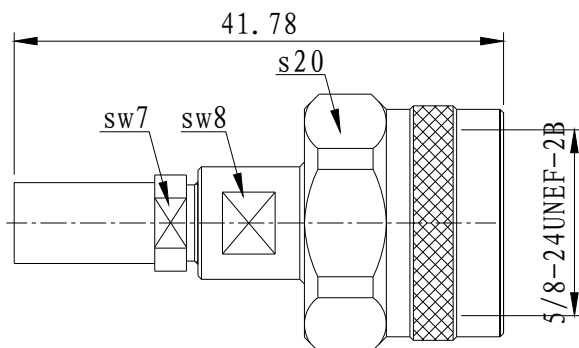
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Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-J7/8BZ-2

Part No: 5060279

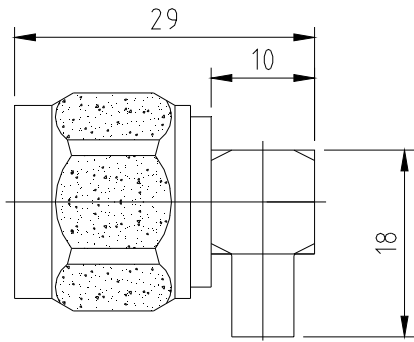
Inner conductor	Brass(Silver-Plating)
Outer conductor	Brass(Nickel-Plating)
Insulator	PTFE



N-J141

Part No: 5060030

Inner conductor	Beryllium Copper(Gold-Plating)
Outer conductor	Brass(Nickel-Plating)
Insulator	PTFE



N-JW141

Part No: 5060015

Inner conductor

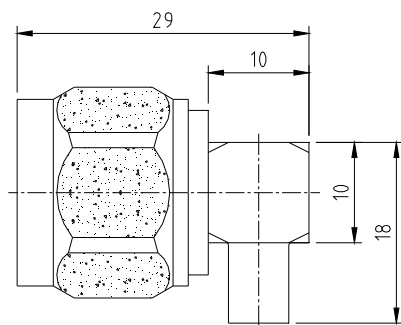
Brass(Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-JW141-1

Part No: 5060017

Inner conductor

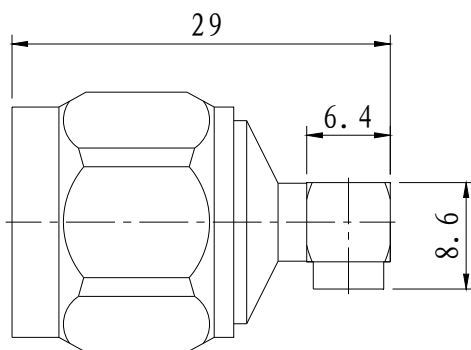
Brass(Gold-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-JW141-2

Part No: 5060056

Inner conductor

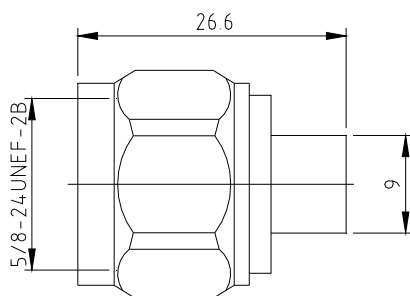
Brass(Gold-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-J250

Part No: 5060021

Inner conductor

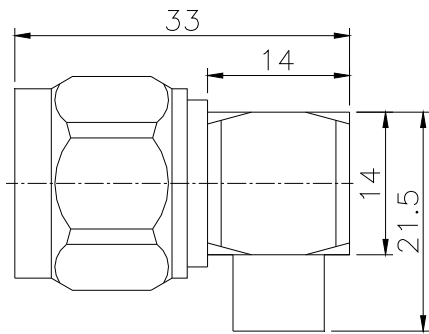
Brass(Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-JW250

Part No: 5060016

Inner conductor

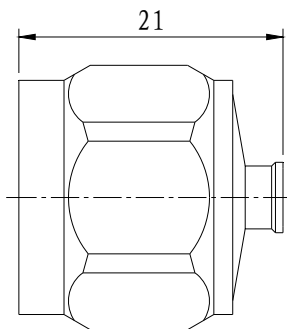
Brass(Gold-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-JB3

Part No: 5060064

Inner conductor

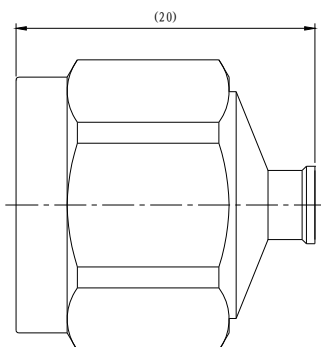
Brass(Gold-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-JB3

Part No: 5060154

Inner conductor

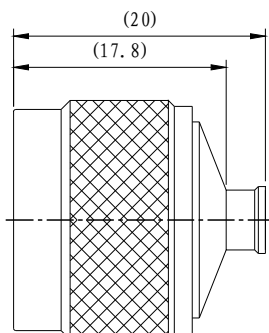
Brass(Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-JB3-01

Part No: 5060378

Inner conductor

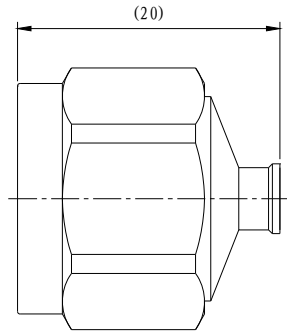
Brass(Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-JB3-02

Part No: 5060428

Inner conductor

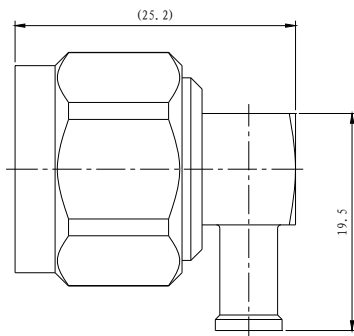
Brass(Gold-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-JWB3-1

Part No: 5060429

Inner conductor

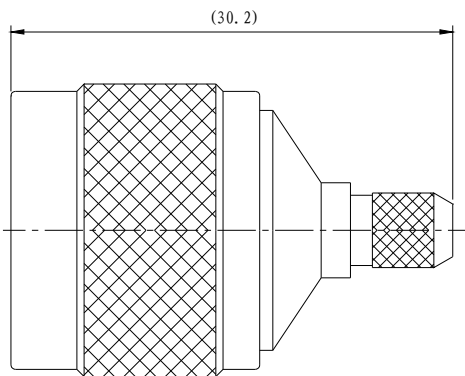
Brass(Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-J5

Part No: 5060225

Inner conductor

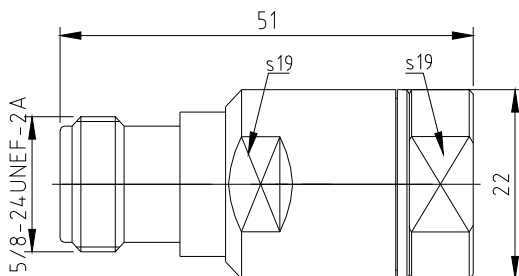
Brass(Gold -Plating)

Outer conductor

Brass(Nickel-Plating)

Insulator

PTFE



N-K1/2BZ

Part No: 5060054

Inner conductor

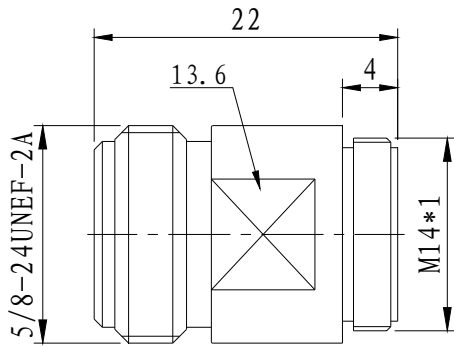
Phosphor Bronze(Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

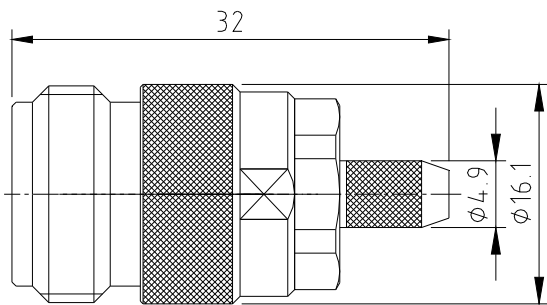
PTFE



N-K6.2

Part No: 5060025

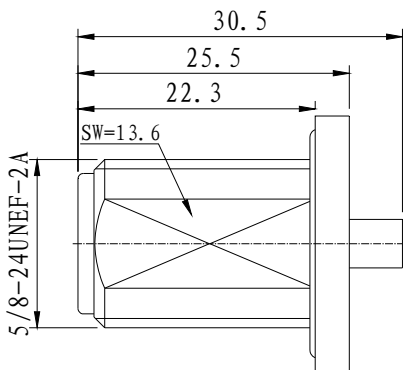
Inner conductor	Phosphor Bronze(Silver-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-KY3

Part No: 5060447

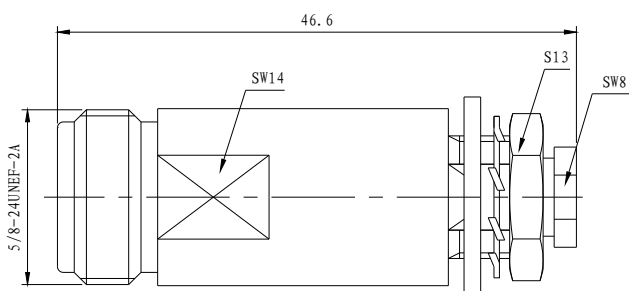
Inner conductor	Phosphor Bronze(Gold-Plating)
Outer conductor	Brass(Nickel-Plating)
Insulator	PTFE



N-KYB3-03

Part No: 5060039

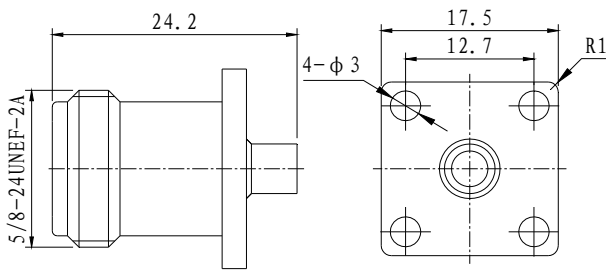
Inner conductor	Phosphor Bronze(Silver-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-KY402-1

Part No: 5060107

Inner conductor	Phosphor Bronze(Gold-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-KFB3-01

Part No: 5060028

Inner conductor

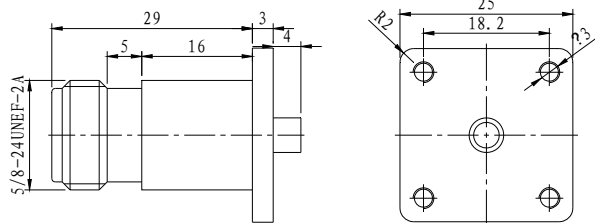
Phosphor Bronze(Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-KFB-4

Part No: 5060029

Inner conductor

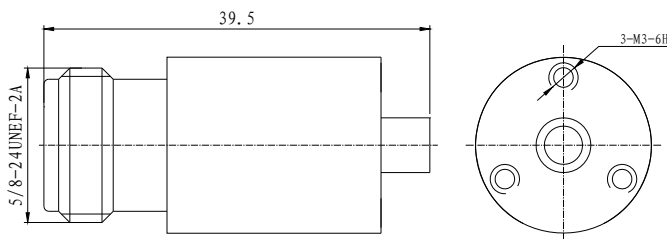
Phosphor Bronze(Gold-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-KFB3-06

Part No: 5060278

Inner conductor

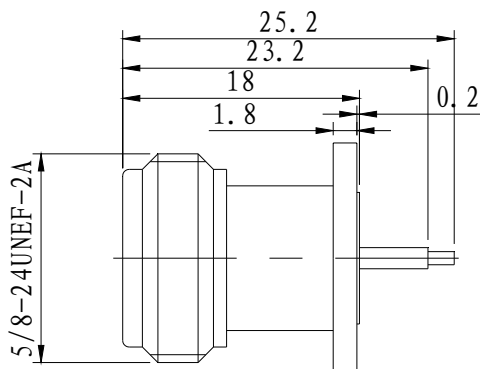
Phosphor Bronze(Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-KSF-7.2

Part No: 5060065

Inner conductor

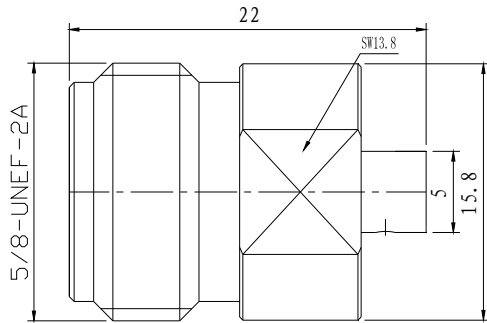
Phosphor Bronze(Gold-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



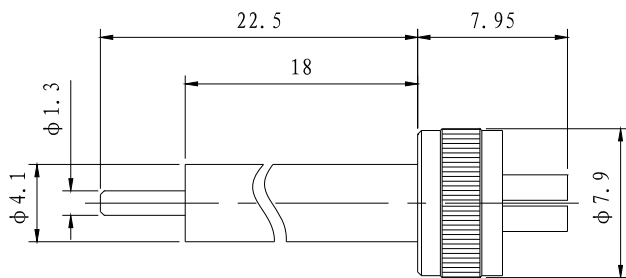
N-6869

Part No: 5060083

Inner conductor Phosphor Bronze(Silver-Plating)

Outer conductor Brass(Ternary Alloy-Plating)

Insulator PTFE



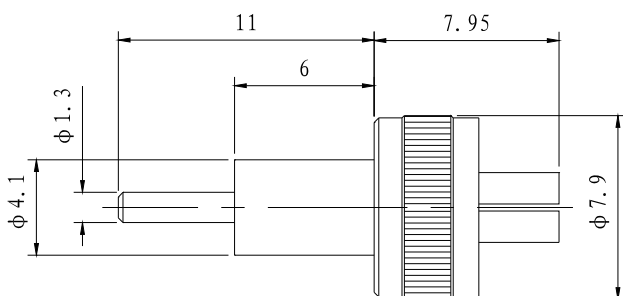
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Part No: 5060419

Inner conductor Phosphor Bronze(Silver-Plating)

Outer conductor Brass(Ternary Alloy-Plating)

Insulator PTFE



N-11-6

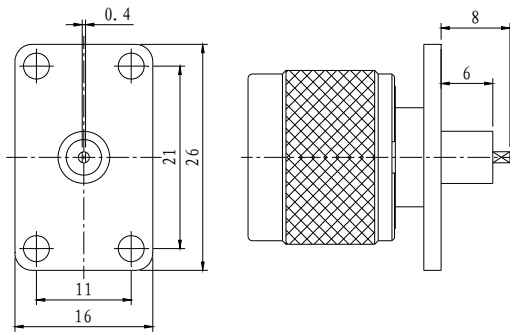
Part No: 5060435

Inner conductor Phosphor Bronze(Silver-Plating)

Outer conductor Brass(Ternary Alloy-Plating)

Insulator PTFE

Microstrip Connector



N-JFD-6-8

Part No: 5060005

Inner conductor

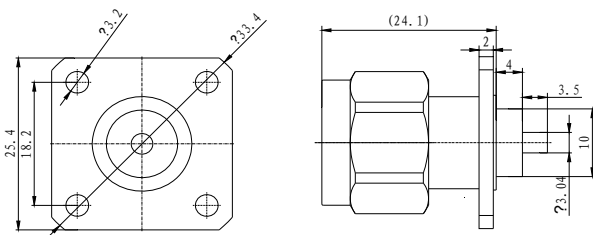
Brass(Silver-Plating)

Outer conductor

Brass(Nickel-Plating)

Insulator

PTFE



N-JFD-017

Part No: 5060335

Inner conductor

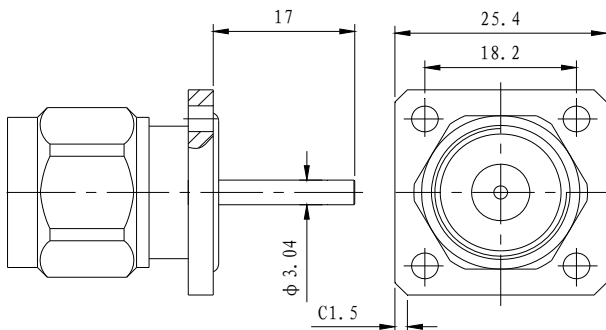
Phosphor Bronze(Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-JFD-17

Part No: 5060393

Inner conductor

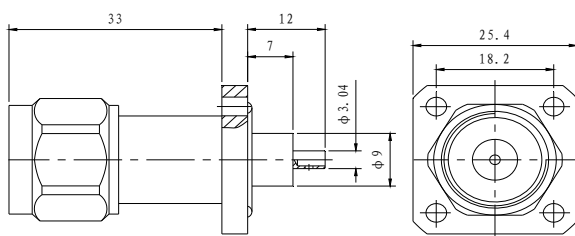
Brass(Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-JFD-12-7

Part No: 5060395

Inner conductor

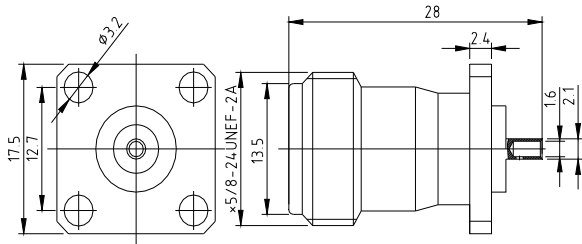
Brass(Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

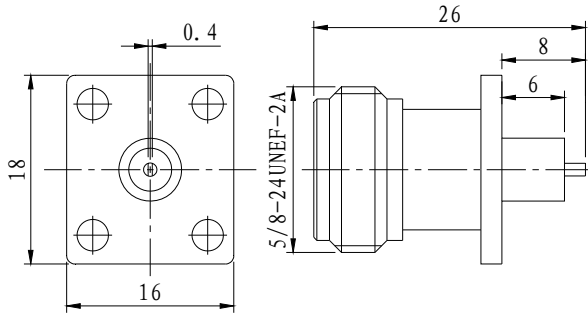
PTFE



N-KFD1

Part No: 5060002

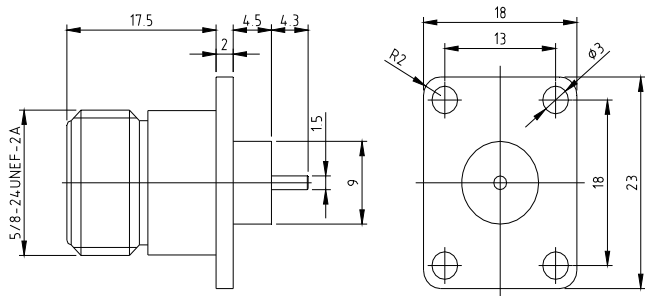
Inner conductor	Phosphor Bronze(Gold-Plating)
Outer conductor	Brass(Nickel-Plating)
Insulator	PTFE



N-KFD-6-8

Part No: 5060004

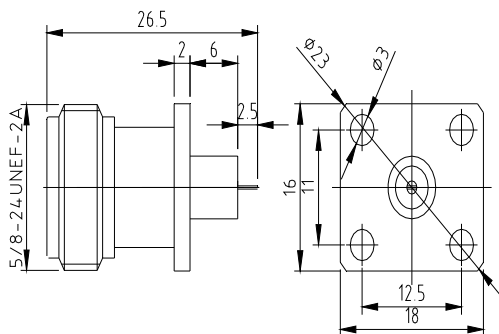
Inner conductor	Phosphor Bronze(Silver-Plating)
Outer conductor	Brass(Nickel-Plating)
Insulator	PTFE



N-KFD-8.8-4.3

Part No: 5060023

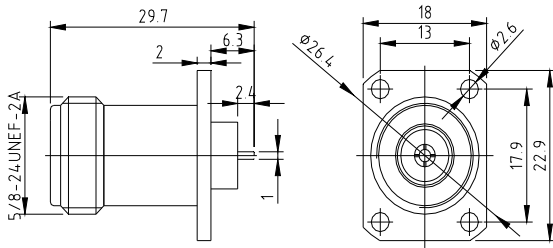
Inner conductor	Beryllium Copper(Gold-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-KFD-6-2.5

Part No: 5060026

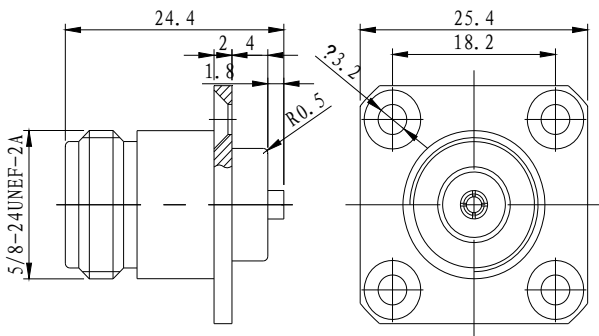
Inner conductor	Phosphor Bronze(Silver-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-KFDA

Part No: 5060027

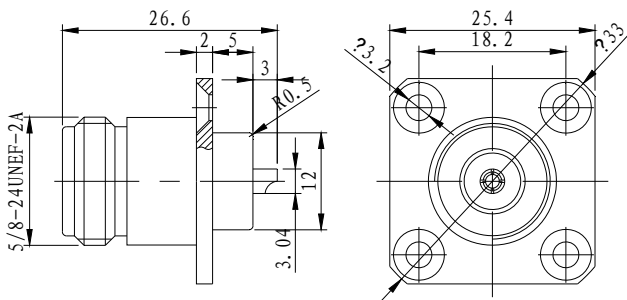
Inner conductor	Phosphor Bronze(Gold-Plating)
Outer conductor	Brass(Nickel-Plating)
Insulator	PTFE



N-KFD-4-1.8

Part No: 5060043

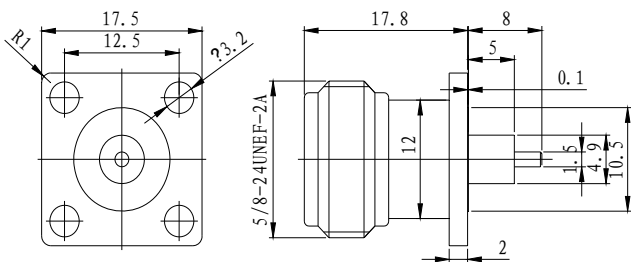
Inner conductor	Phosphor Bronze(Silver-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-KFD-5-3

Part No: 5060044

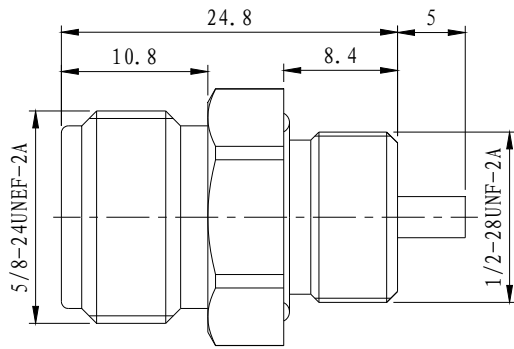
Inner conductor	Phosphor Bronze(Gold-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-KFD-8-5

Part No: 5060109

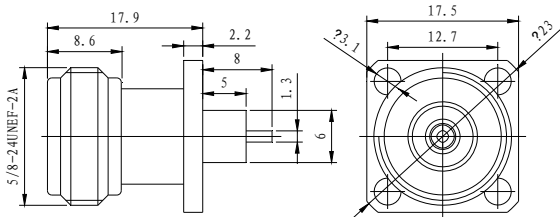
Inner conductor	Phosphor Bronze(Gold-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-KFD-5

Part No: 5060117

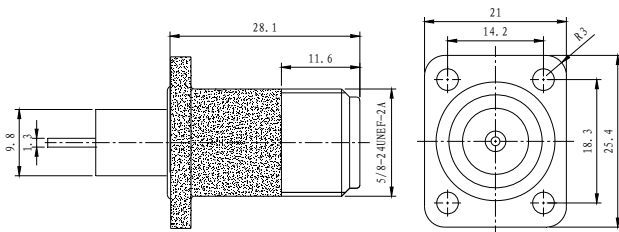
Inner conductor Phosphor Bronze(Silver-Plating)
 Outer conductor Brass(Ternary Alloy-Plating)
 Insulator PTFE



N-KFD6531A

Part No: 5060231

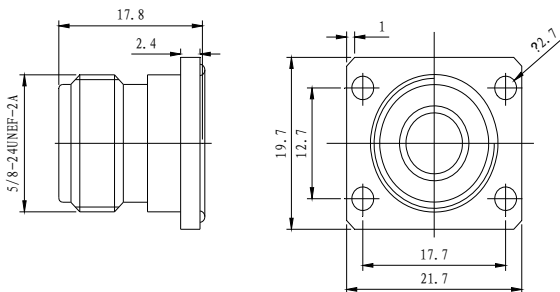
Inner conductor Phosphor Bronze(Silver-Plating)
 Outer conductor Brass(Ternary Alloy-Plating)
 Insulator PTFE



N-KFD-18-11

Part No: 5060232

Inner conductor Phosphor Bronze(Gold-Plating)
 Outer conductor Brass(Ternary Alloy-Plating)
 Insulator PTFE



N-KFD-0

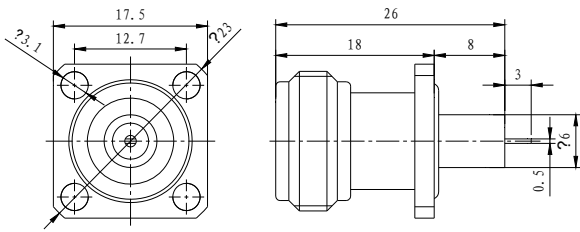
Part No: 5060253

Inner conductor Phosphor Bronze(Silver-Plating)
 Outer conductor Brass(Ternary Alloy-Plating)
 Insulator PTFE



Specialized Manufacturer of RF connector & Cable assemblies

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N-KFD6531C

Part No: 5060269

Inner conductor

Phosphor Bronze(Gold-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

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N-KFD-25-18

Part No: 5060369

Inner conductor

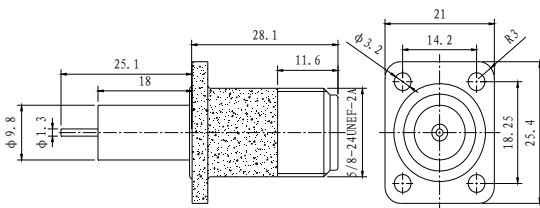
Phosphor Bronze(Gold-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-KFD-15-10

Part No: 5060385

Inner conductor

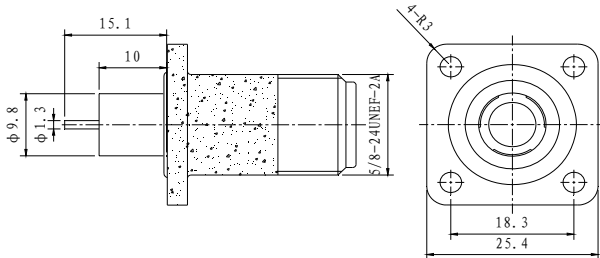
Phosphor Bronze(Gold-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-KFD-5.1-2.1

Part No: 5060417

Inner conductor

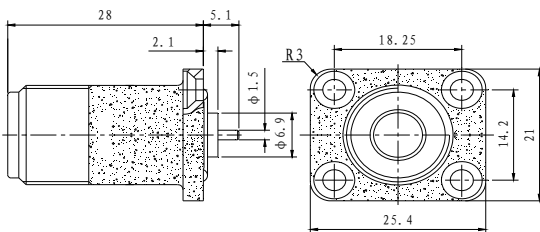
Phosphor Bronze(Silver-Plating)

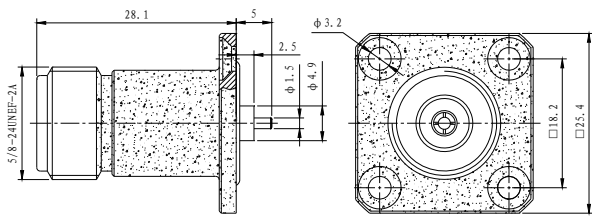
Outer conductor

Brass(Dusting)

Insulator

PTFE

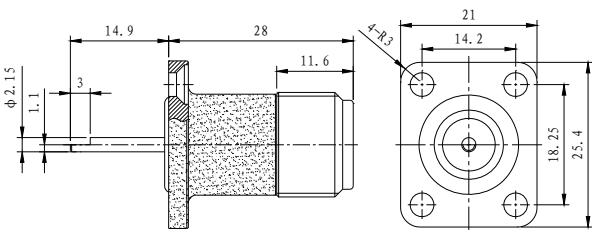




N-KFD-5-2.5

Part No: 5060431

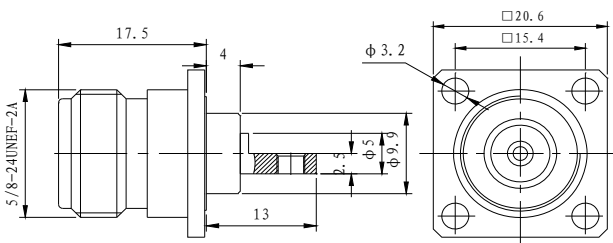
Inner conductor	Phosphor Bronze(Gold-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-KFD-14.9

Part No: 5060451

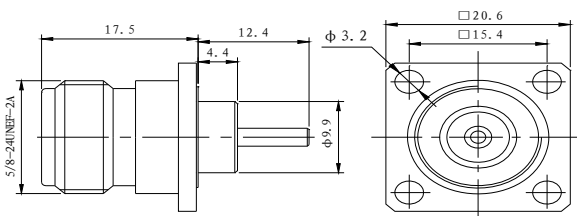
Inner conductor	Phosphor Bronze(Silver-Plating)
Outer conductor	Brass(Dusting)
Insulator	PTFE



N-KFD-13-4(1)

Part No: 5060464

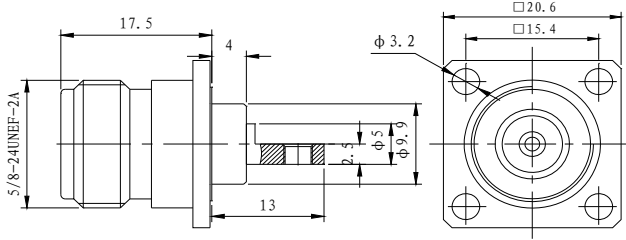
Inner conductor	Phosphor Bronze(Gold-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-KFD-12.4-4.4

Part No: 5060470

Inner conductor	Phosphor Bronze(Silver-Plating)
Outer conductor	Brass(Ternary Alloy-Plating)
Insulator	PTFE



N-KFD-13-4(2)

Part No: 5060471

Inner conductor

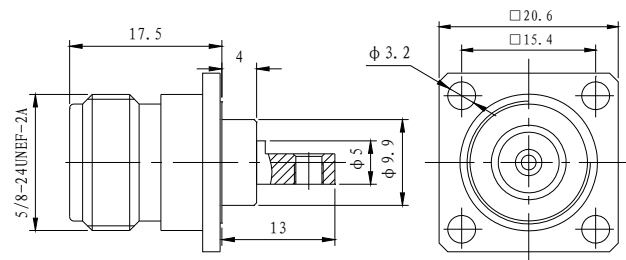
Brass (Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-KFD-13-4(3)

Part No: 5060472

Inner conductor

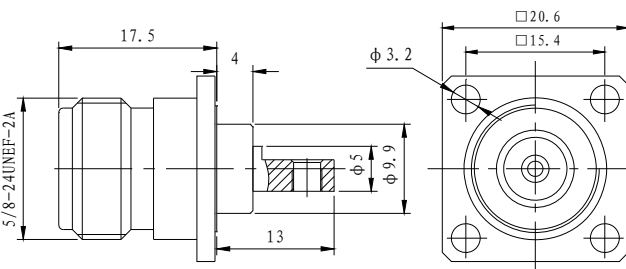
Phosphor Bronze(Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-KFD-13-4(4)

Part No: 5060477

Inner conductor

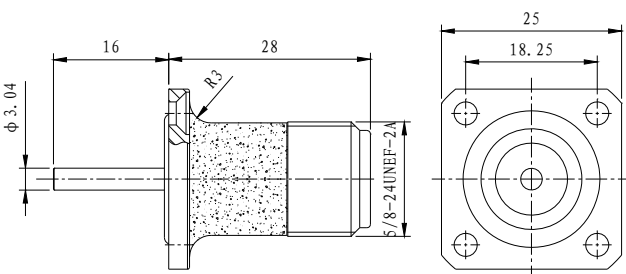
Phosphor Bronze(Gold-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-KFD-16

Part No: 5060491

Inner conductor

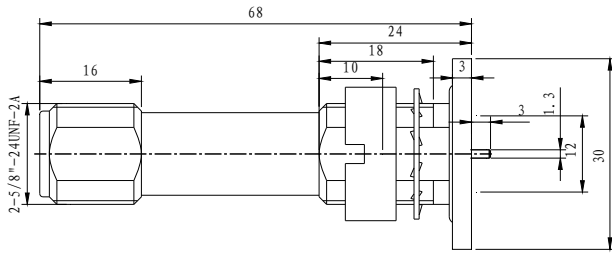
Phosphor Bronze(Silver-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-KYFD-02

Part No: 5060113

Inner conductor

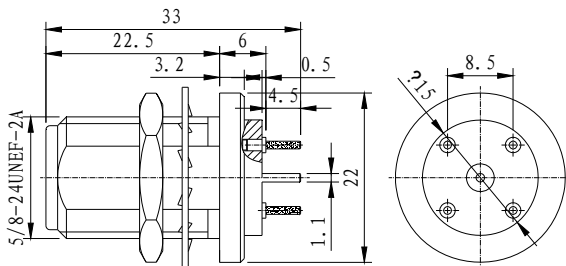
Phosphor Bronze(Gold-Plating)

Outer conductor

Brass(Ternary Alloy-Plating)

Insulator

PTFE



N-KYHD

Part No: 5060075

Inner conductor

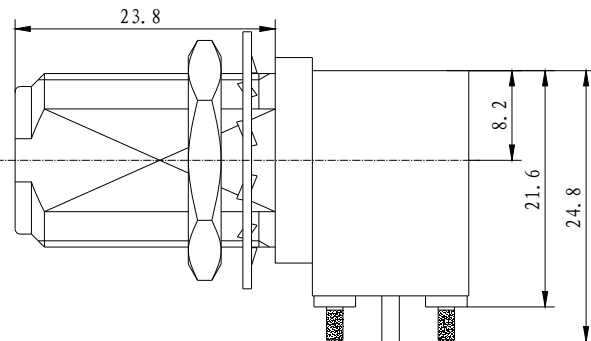
Phosphor Bronze(Gold-Plating)

Outer conductor

Brass(Nickel-Plating)

Insulator

PTFE



N-KYWHD

Part No: 5060076

Inner conductor

Phosphor Bronze(Gold-Plating)

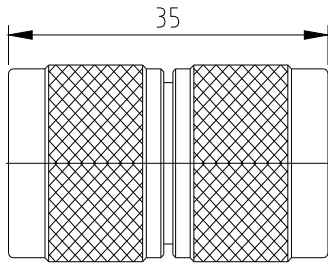
Outer conductor

Brass(Nickel-Plating)

Insulator

PTFE

Adapters



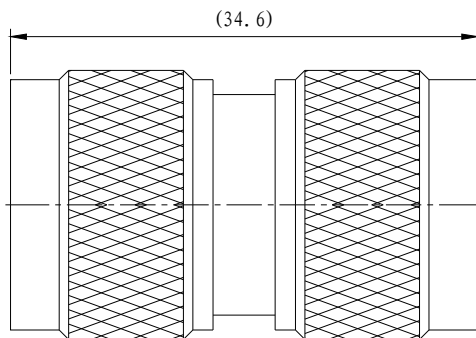
N-JJ

Part No: 5060009

Inner conductor Phosphor Bronze(Gold-Plating)

Outer conductor Brass(Nickel-Plating)

Insulator PTFE



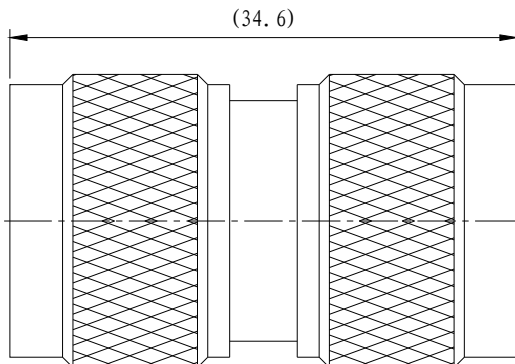
N-JJ-01

Part No: 5060283

Inner conductor Phosphor Bronze(Silver-Plating)

Outer conductor Brass(Ternary Alloy-Plating)

Insulator PTFE



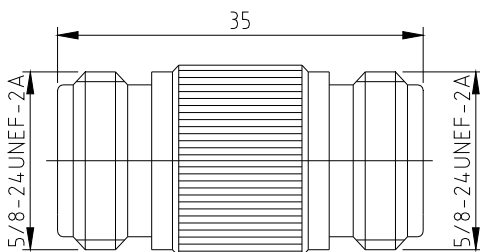
N-JJ-02

Part No: 5060302

Inner conductor Phosphor Bronze(Silver-Plating)

Outer conductor Brass(Ternary Alloy-Plating)

Insulator PTFE



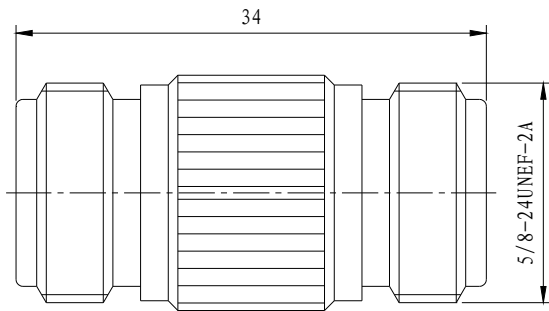
N-KK

Part No: 5060010

Inner conductor Phosphor Bronze(Gold-Plating)

Outer conductor Brass(Nickel-Plating)

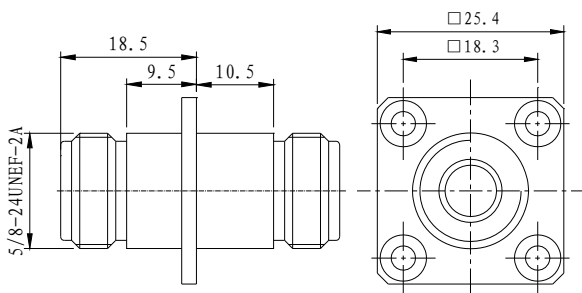
Insulator PTFE



N-KK-02

Part No: 5060301

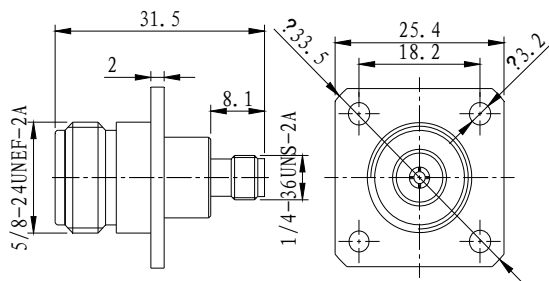
Inner conductor Phosphor Bronze(Silver-Plating)
 Outer conductor Brass(Ternary Alloy-Plating)
 Insulator PTFE



N-N-KKF

Part No: 5060093

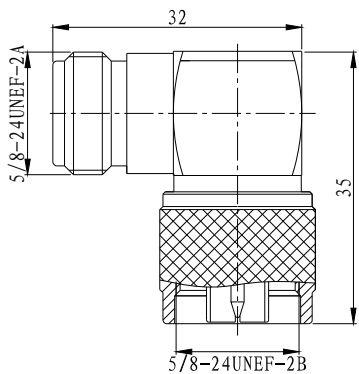
Inner conductor Phosphor Bronze(Silver-Plating)
 Outer conductor Brass(Ternary Alloy-Plating)
 Insulator PTFE



N-SMA-KFK

Part No: 5060036

Inner conductor Phosphor Bronze(Gold-Plating)
 Outer conductor Brass(Ternary Alloy-Plating)
 Insulator PTFE



N-JWK

Part No: 5060007

Inner conductor Phosphor Bronze(Gold-Plating)
 Outer conductor Brass(Nickel-Plating)
 Insulator PTFE