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**RF Coaxial
Connectors**

RF Adapters

**Cable
Assemblies**

**Waveguide
Adapters**

**Microwave
Rotary Joints**

Tools

BNC Bayonet Connectors

BNC connectors are bayonet RF coaxial connectors with the characteristics of reliable contact, quick connect and disconnect.

They are extensively adopted in RF interconnection systems such as internet systems, instrumentation, apparatus and computers where frequency is less than 4 GHz.

BNC connectors are ideally suited for cable termination for miniature to subminiature coaxial cables like Semi-flexible, Semi-rigid, RG-58, RG-59, RG-178, RG-316, etc.



Features & Benefits

- ✓ 50 Ohm and 75 Ohm available
- ✓ Quick connect and disconnect
- ✓ Reliable contact
- ✓ Good anti-vibration ability
- ✓ Miniature, lightweight and reliable

What can we do?

Brass, gold plated or nickel plated

Straight or right angle

bulkhead mount, flange mount, etc.

We can provide other materials and plating specifications according to customers' requirements.

Applications

- ✓ Antennas
- ✓ Broadcast
- ✓ Military
- ✓ Aerospace
- ✓ Radio
- ✓ Telecom
- ✓ Satcom
- ✓ Base Stations
- ✓ Surge Protection
- ✓ Components
- ✓ Oscilloscope
- ✓ Automotive
- ✓ Cable Assemblies
- ✓ Computers / LANs
- ✓ Medical Equipment

Ordering Information

Material

Frequency range

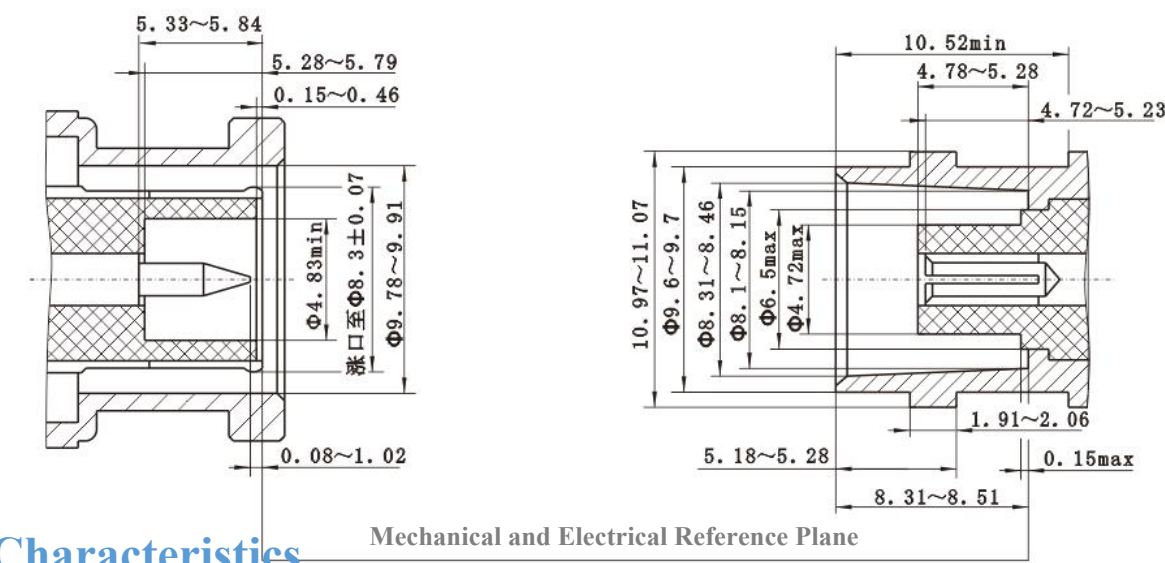
Orientation

Interface

Mounting style: bulkhead mount,
flange mount,

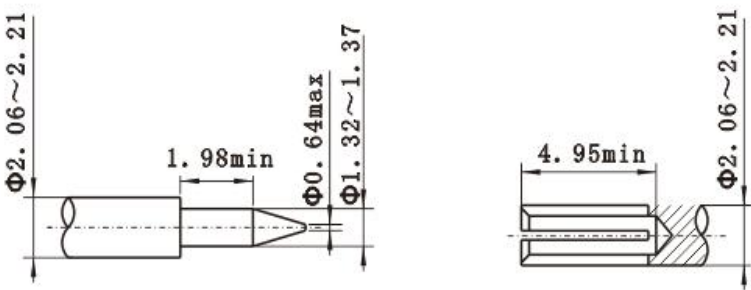


Interface Dimension



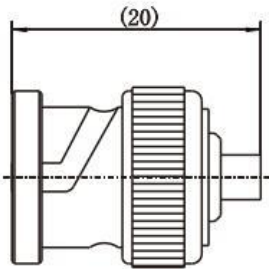
Characteristics

Electrical Characteristics		
Impedance	50 Ω	
Frequency Range	DC ~ 4 GHz	
Rated Voltage	500 VRMS (Max. Sea Level)	
Dielectric Withstand Voltage	1500 VRMS (Max. Sea Level)	
Insulation Resistance	≥ 5000 MΩ	
Contact Resistance	Center Conductor	≤ 2.0 mΩ
	Outer Conductor	≤ 0.5 mΩ
VSWR (Voltage Standing Wave Ratio)	≤ 1.3	

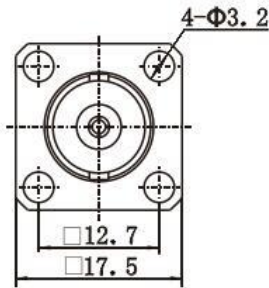
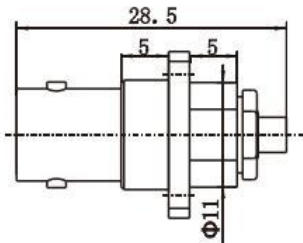
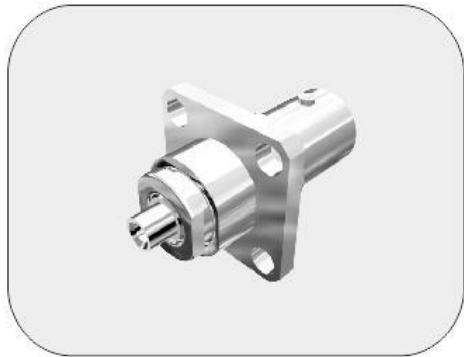


Material and Mechanical Characteristics			
Center Conductor	Male / Plug	Brass	Gold Plated
	Female / Socket	Sn-P Bronze	Gold Plated
Resilient Contact	Beryllium Bronze		Nickel Plated
Shell / Housing	Brass		Nickel Plated
Insulator	PTFE		
Sealing Ring	Silicone Rubber		
Durability	500 Cycles		
* Other material and plating can be customized.			

BNC Connectors for Semi-flexible and Semi-rigid Cables

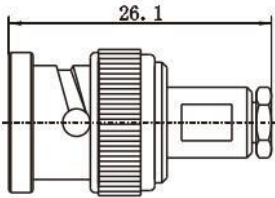


Model	Gender	Cable Type	Note
BNC-JB2	Male	SFT-50-2-1 .086	
BNC-JB3	Male	SFT-50-3-1 .141	

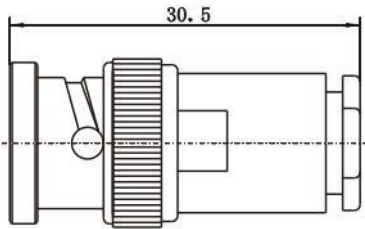


Model	Gender	Cable Type	Note
BNC-KFB2	Female	SFT-50-2-1 .086	Flange Mount
BNC-KFB3	Female	SFT-50-3-1 .141	Flange Mount

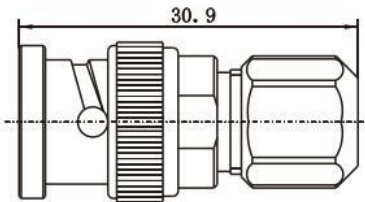
BNC Connectors for Flexible Cables



Model	Gender	Cable Type	Note
BNC-J2	Male	RG178, EF178	

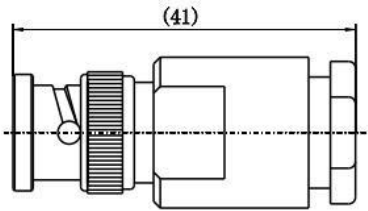


Model	Gender	Cable Type	Note
BNC-J3	Male	SFF-50-1.5-1 RG316	
BNC-J5	Male	SYV-50-3-4 RG142	

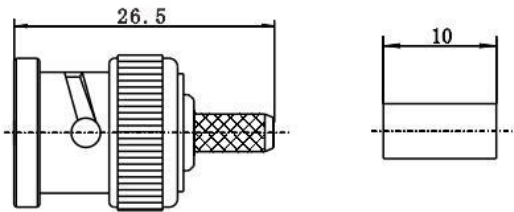


Model	Gender	Cable Type	Note
BNC-J3A	Male	SFF-50-1.5-1 RG316	
BNC-J4A	Male	SFF-50-2-2	
BNC-J5A		SFF-50-3-1	

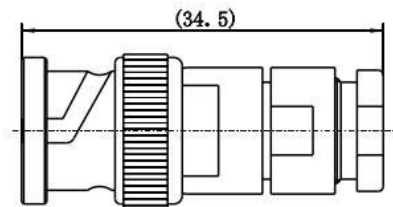
BNC Connectors for Flexible Cables



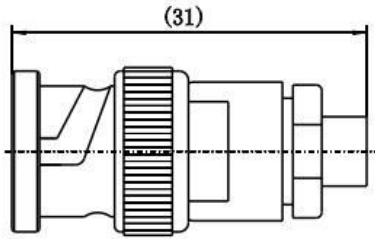
Model	Gender	Cable Type	Note
BNC-J7	Male	SYV-50-7-1	



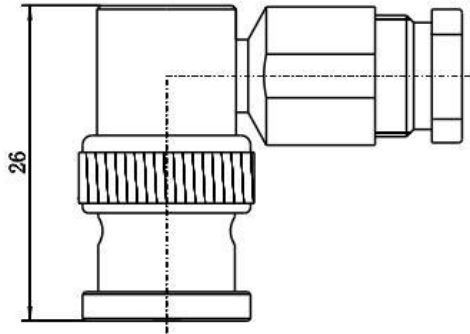
Model	Gender	Cable Type	Note
BNC-J4Y	Male	SFF-50-2-2	
BNC-J5Y	Male	SFF-50-3-1	



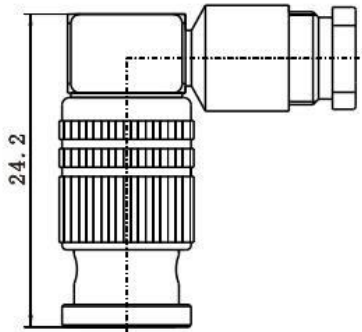
Model	Gender	Cable Type	Note
BNC-J5E	Male	SFF-50-3-1 SYV-50-3-4	



Model	Gender	Cable Type	Note
BNC-J402	Male	TFlex-402	Machining Contact Head

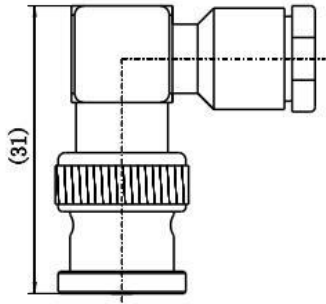


Model	Gender	Cable Type	Note
BNC-JW5A	Male	SFF-50-3-1 SYV-50-3-4	Right Angle

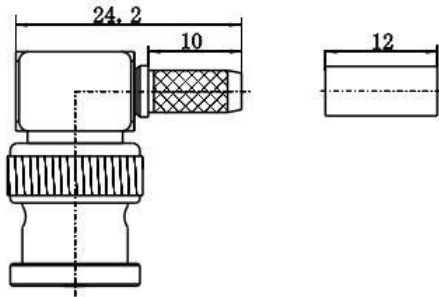


Model	Gender	Cable Type	Note
BNC-JW5A-1	Male	SFF-50-3-1 SYV-50-3-4	Right Angle

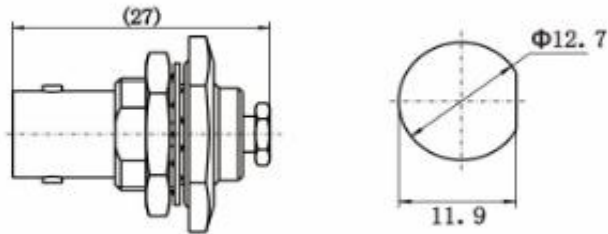
BNC Connectors for Flexible Cables



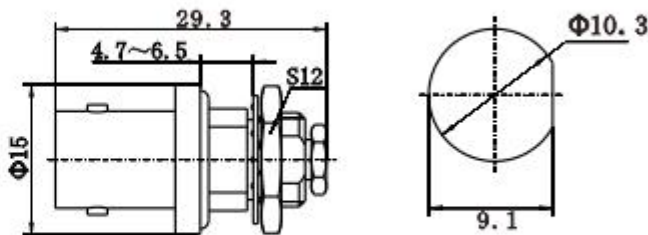
Model	Gender	Cable Type	Note
BNC-JW5E	Male	SFF-50-3-1 SYV-50-3-4	Right Angle



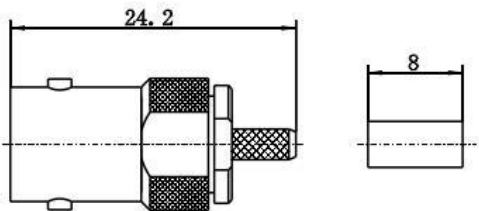
Model	Gender	Cable Type	Note
BNC-JW5Y	Male	SFF-50-3-1 SYV-50-3-4	Right Angle



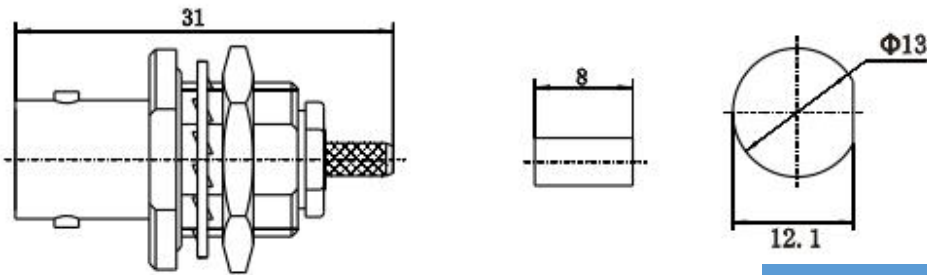
Model	Gender	Cable Type	Note
BNC(S)-KY2	Female	SFF-50-1 RG178	Bulkhead



Model	Gender	Cable Type	Note
BNC(S)-KY2-1	Female	SFF-50-1 RG178	Bulkhead

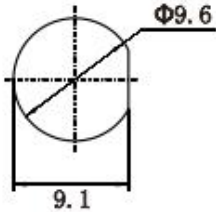
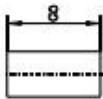
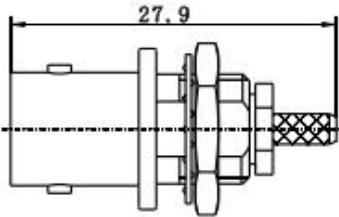


Model	Gender	Cable Type	Note
BNC-K3	Female	SFF-50-1.5-1 RG316	

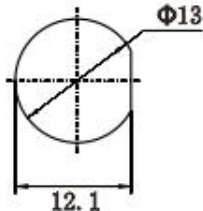
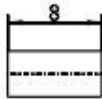
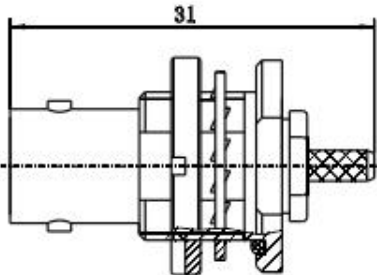


Model	Gender	Cable Type	Note
BNC-KY3	Female	SFF-50-1.5-1 RG316	Bulkhead

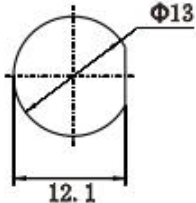
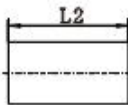
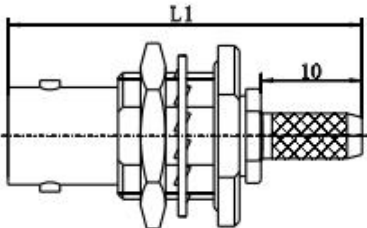
BNC Connectors for Flexible Cables



Model	Gender	Cable Type	Note
BNC-KY3-1	Female	SFF-50-1.5-1 SYV-50-2-1	Bulkhead



Model	Gender	Cable Type	Note
BNC-KY3-2	Female	SFF-50-1.5-1 RG316	Bulkhead

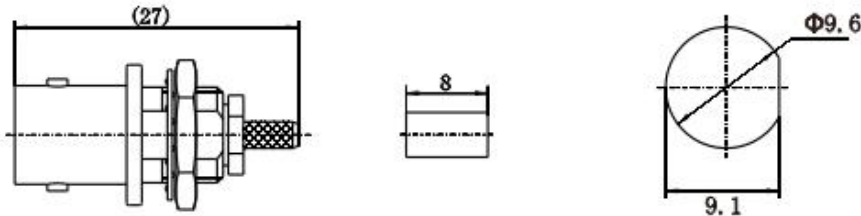


Model	Gender	L1	L2	Cable Type	Note
BNC-KY4Y	Female	33.9	10	SFF-50-2-2 SYV-50-2-2	Bulkhead
BNC-KY5Y	Female	35.4	12	SFF-50-3-1 SYV-50-3-4	Bulkhead

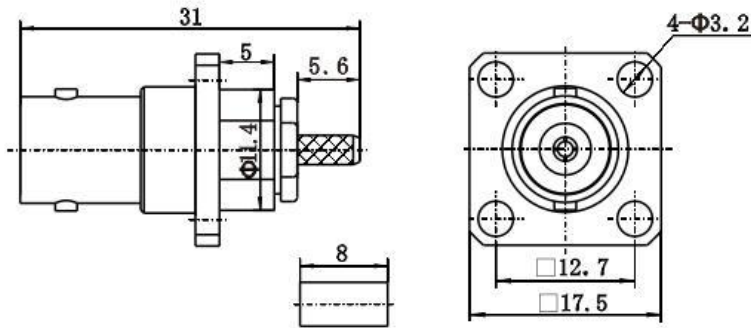
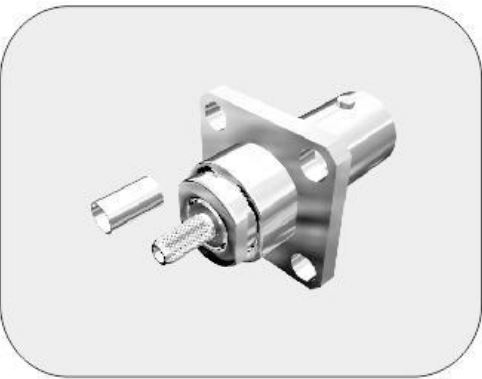
BNC Connectors for Flexible Cables



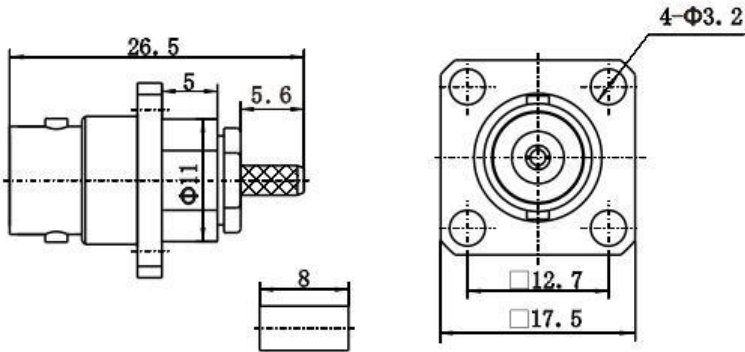
Model	Gender	Cable Type	Note
BNC-KYB3	Female	SFT-50-3-1 .141	Bulkhead



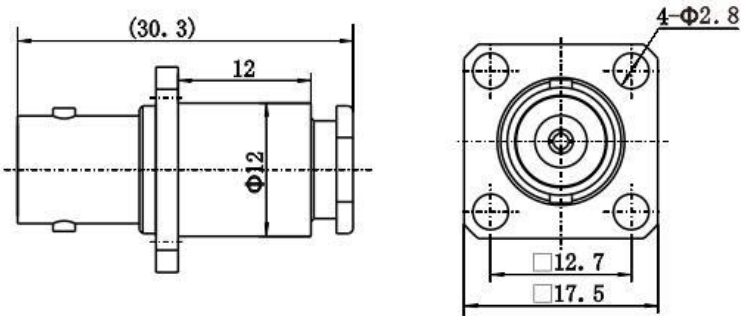
Model	Gender	Cable Type	Note
BNC-KY3D	Female	RG316D	Bulkhead



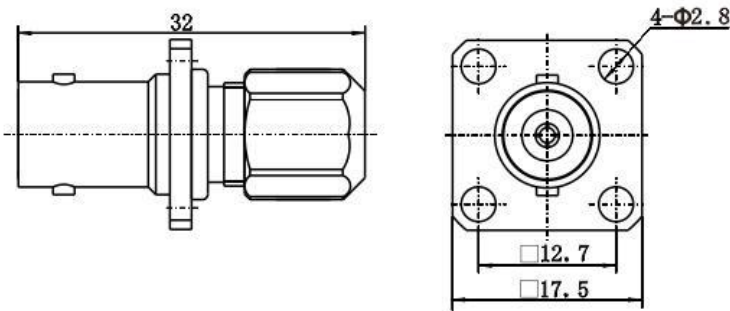
Model	Gender	Cable Type	Note
BNC-KF3	Female	SFF-50-1.5-1 RG316	Flange Mount



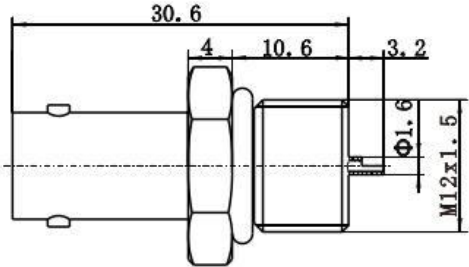
Model	Gender	Cable Type	Note
BNC-KF3-1	Female	SFF-50-1.5-1 RG316	Flange Mount



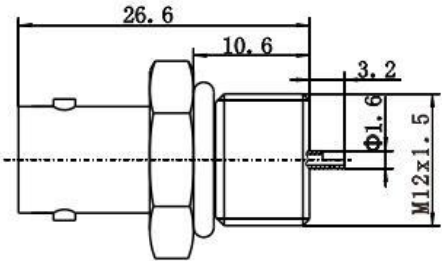
Model	Gender	Cable Type	Note
BNC-KF3-2	Female	SFF-50-1.5-1 RG316	Flange Mount



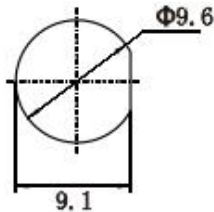
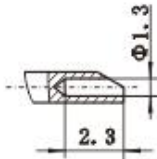
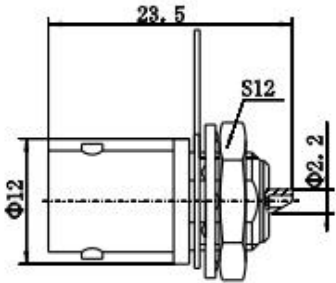
Model	Gender	Cable Type	Note
BNC-KF3A	Female	SFF-50-1.5-1 RG316	Flange Mount
BNC-KF5A	Female	SFF-50-3-1 SYV-50-3-4	Flange Mount



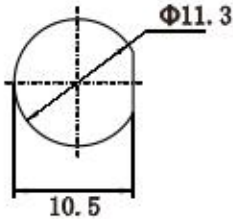
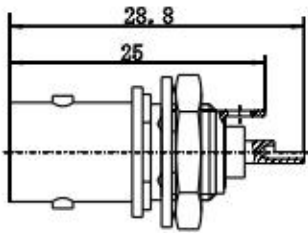
Model	Gender	Note
BNC-KY-3	Female	Bulkhead



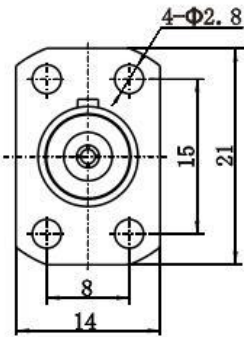
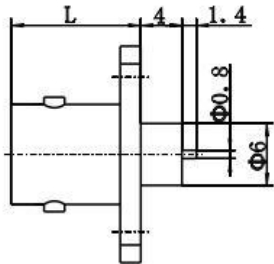
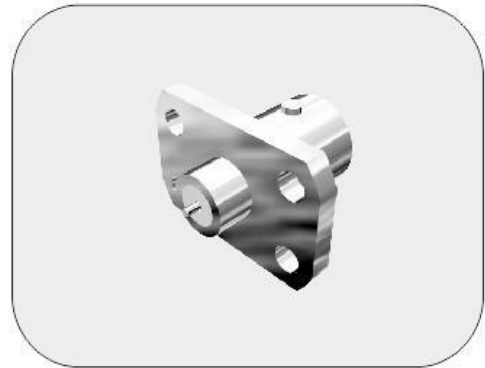
Model	Gender	Note
BNC-KY-4	Female	Bulkhead



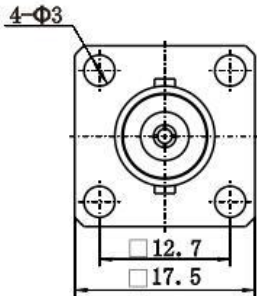
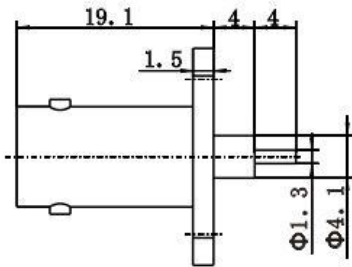
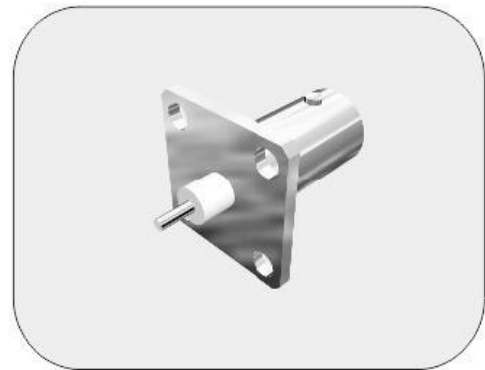
Model	Gender	Note
BNC-50KY	Female	Bulkhead



Model	Gender	Note
BNC-50KYA-1	Female	Bulkhead

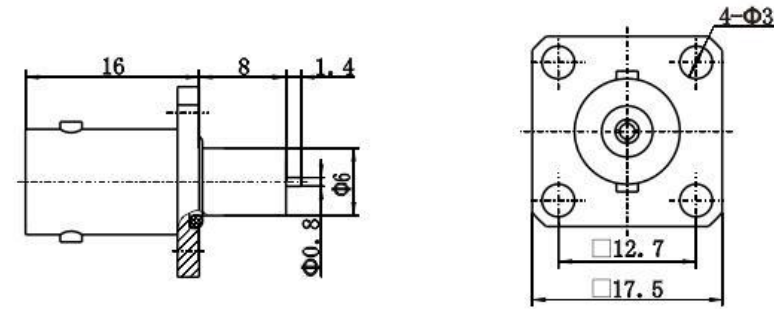


Model	Gender	L	Note
BNC-KFD	Female	12.6	Flange Mount
BNC-KFD2	Female	15.6	Flange Mount

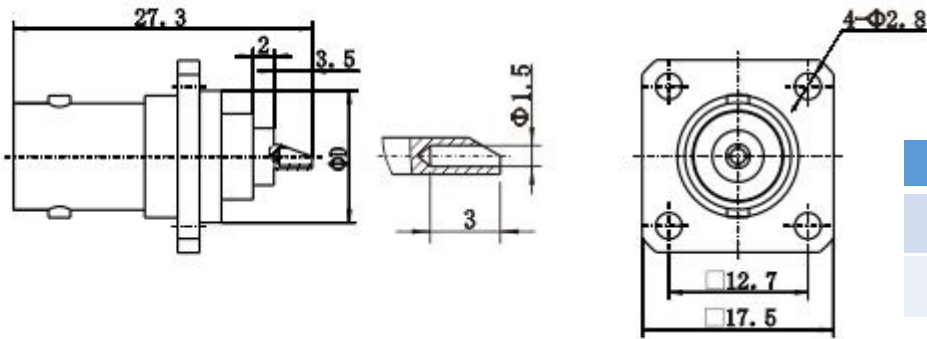


Model	Gender	Note
BNC-KFD1	Female	Flange Mount

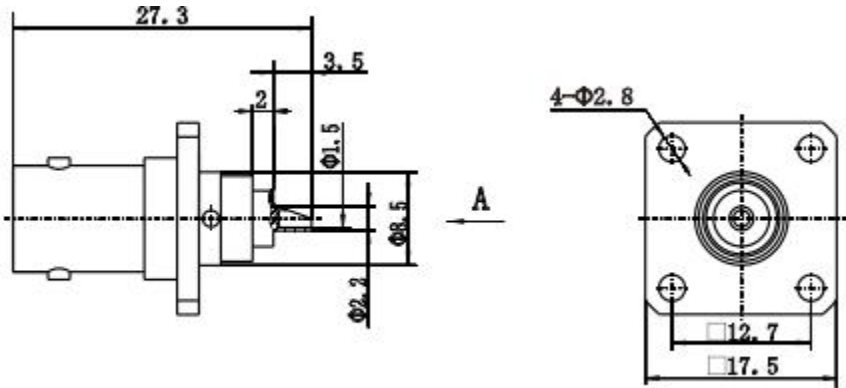
Model	Gender	Note
BNC-KFD5	Female	Flange Mount



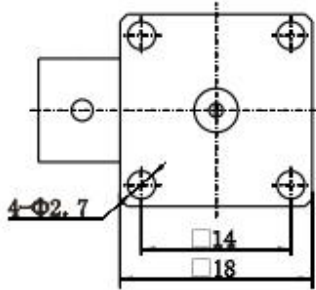
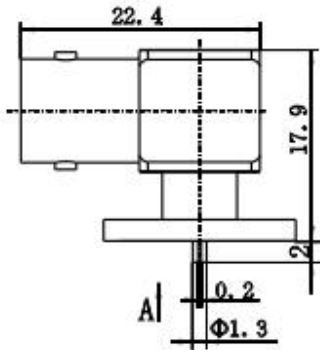
Model	Gender	D	Note
BNC-50KF-1	Female	12	Flange Mount
BNC-50KF-2	Female	8.9	Flange Mount



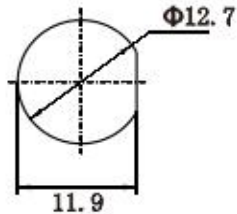
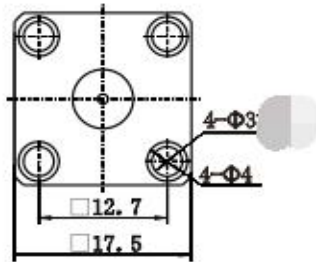
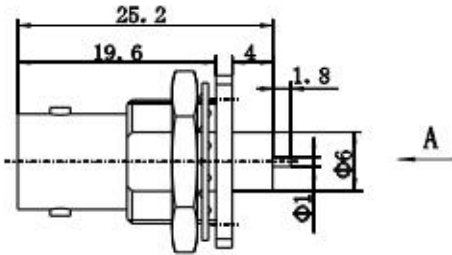
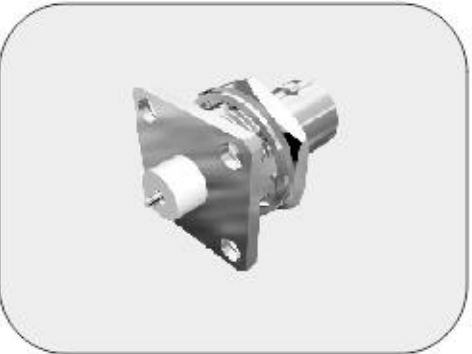
Model	Gender	Note
BNC-50KF-3	Female	Flange Mount



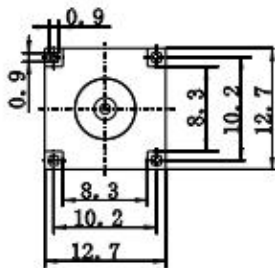
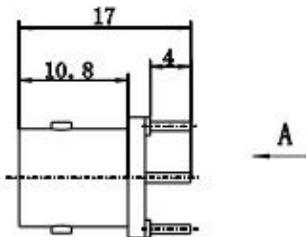
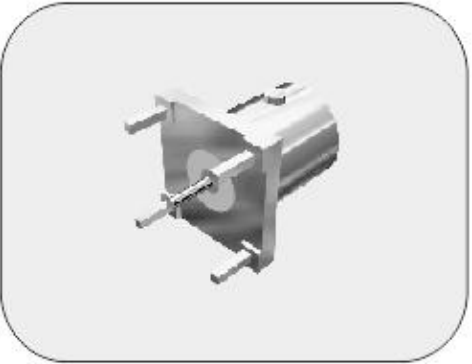
BNC Micro-strip Connectors



Model	Gender	Note
BNC-KWFD10	Female	Right Angle Flange Mount

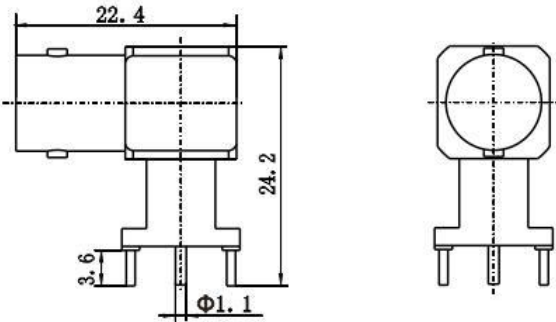
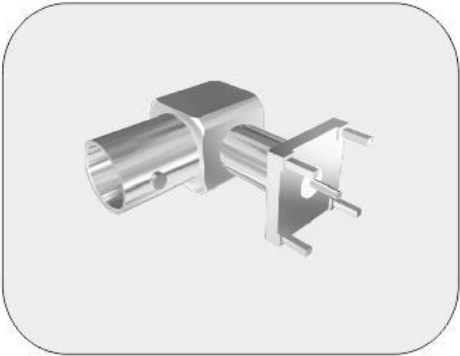


Model	Gender	Note
BNC-KYFD	Female	Bulkhead Flange Mount

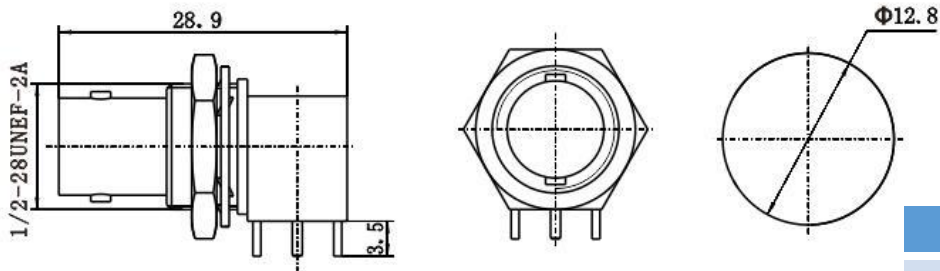
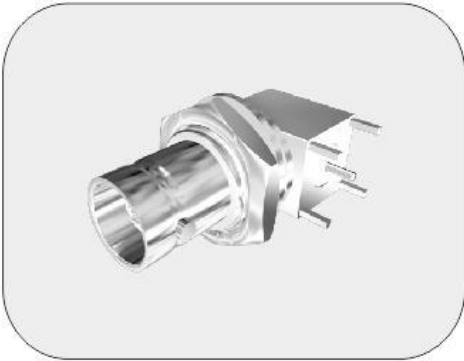


Model	Gender	Note
BNC-KHD2	Female	Solder

BNC Micro-strip Connectors

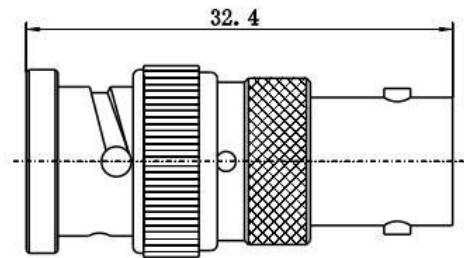


Model	Gender	Note
BNC-KWHD	Female	Right Angle Solder

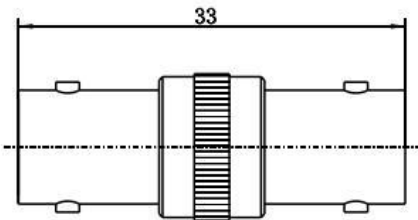


Model	Gender	Note
BNC-KYWHD	Female	Bulkhead Right Angle Solder

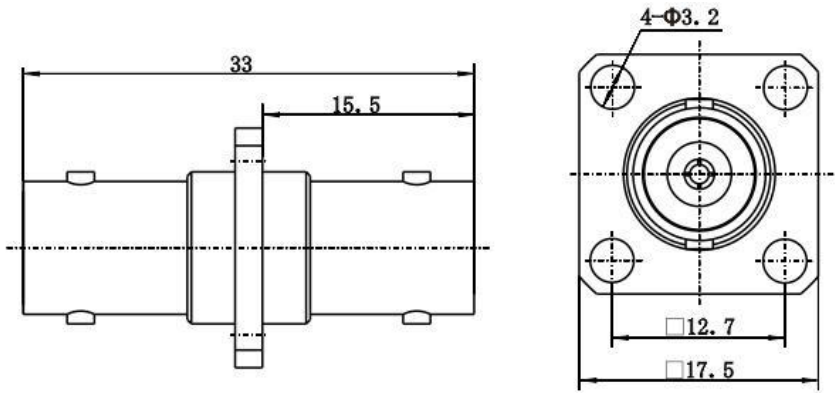
BNC In-series Adapters



Model	Gender	Note
BNC-JK	Male to Female	

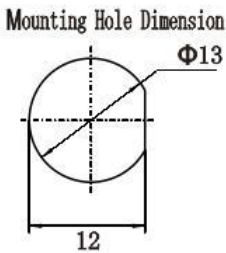
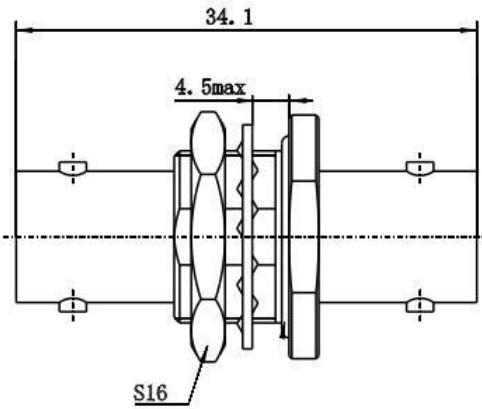
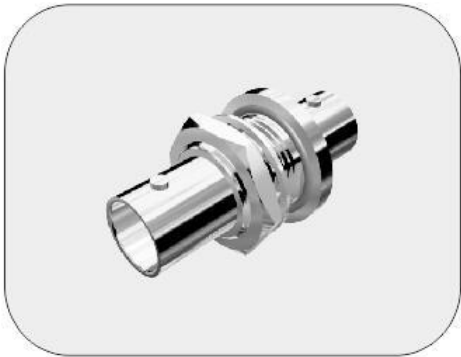


Model	Gender	Note
BNC-KK	Female to Female	



Model	Gender	Note
BNC-KFK	Female to Female	Flange Mount

BNC In-series Adapters



Model	Gender	Note
BNC(S)-KYK	Female to Female	Waterproof Bulkhead

RELATED RF CONNECTORS

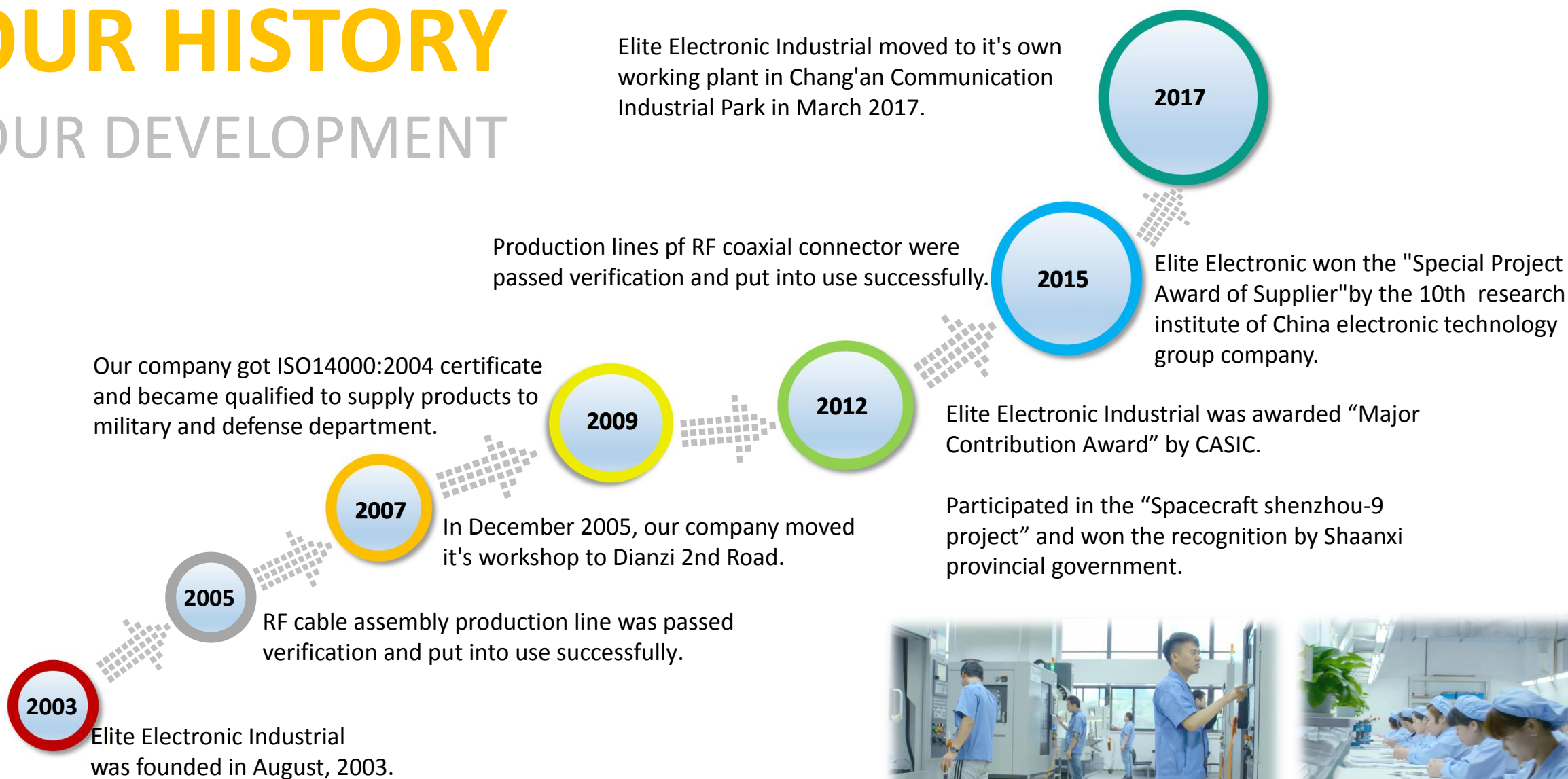
vip@xa-elite.com.cn

www.xa-elite.com.cn

Type	Mating Types	Impedance	Frequency Range	Anti-vibration Ability	Reliability	Standard
BMA	Blind mate	50 Ohm	DC ~ 18 GHz	Good	Good	IEC61169-33
BNC	Bayonet	50 Ohm 75 Ohm	DC ~ 4 GHz DC ~ 1 GHz	Good	Good	MIL-C-39012 IEC60169-8
D4	Push on	50 Ohm	DC ~ 1 GHz	Normal	Normal	
MCX	Snap-on	50 Ohm 75 Ohm	DC ~ 6 GHz DC ~ 1 GHz	Normal	Good	IEC61169-36
MMCX	Snap-on	50 Ohm	DC ~ 6 GHz	Normal	Normal	
N	Threaded	50 Ohm	DC ~ 18 GHz	Excellent	Excellent	MIL-C-39012 IEC60169-16
SBMA	Blind mate	50 Ohm	DC ~ 23 GHz	Good	Good	
SMA	Thread	50 Ohm	DC ~ 20 GHz	Excellent	Excellent	MIL-C-39012 IEC60169-15
SMB	Snap-on	50 Ohm 75 Ohm	DC ~ 4 GHz	Normal	Normal	MIL-C-39012 IEC60169-10
SMC	Threaded	50 Ohm	DC ~ 11 GHz	Excellent	Excellent	MIL-C-39012 IEC60169-9
SMP	Blind mate	50 Ohm	DC ~ 30 GHz	Good	Good	
SSMA	Threaded	50 Ohm	DC ~ 30 GHz	Excellent	Excellent	MIL-C-39012 IEC60169-18
SSMB	Snap-on	50 Ohm	DC ~ 3 GHz	Normal	Normal	IEC60169-19
TNC	Threaded	50 Ohm	DC ~ 18 GHz	Excellent	Excellent	MIL-C-39012 IEC60169-17
3.5	Threaded	50 Ohm	DC ~ 33 GHz	Excellent	Excellent	
K	Threaded	50 Ohm	DC ~ 40 GHz	Excellent	Good	
7/16	Threaded	50 Ohm	DC ~ 7.5 GHz	Excellent	Excellent	DIN47223 IEC60169-4

OUR HISTORY

OUR DEVELOPMENT



OUR COMPANY

OUR FACTORY

**Leading Provider
of Systematic**

Interconnection

Solutions



Xi'an Elite Electronic is a national high-tech enterprise that specializes in R & D, manufacture and sales of RF connector & adapter, cable assembly, wave-guide adapter & assembly, microwave rotary joints and other interconnection components under ISO9001 quality management system for 15 years.

Elite Electronic has been committed to the modernization of national defense equipment by developing high reliability, high frequency, high performance and miniature military electrical connectors, wave-guide and microwave components.

The products are widely used in aerospace, aviation, navigation, electronics, communications and other fields. It's recognized as a qualified supplier by more than 300 customers in China. In response to the call of national strategy "One Belt, One Road", we start our export business this year.

Elite Values

Our Quality Policy

--"Leading Technology, High Quality & Efficiency"

Our Business Philosophy

-- "Pragmatic and Innovative"

Our Commitment

--"Customer Oriented, Integrity First"

OUR PATENT



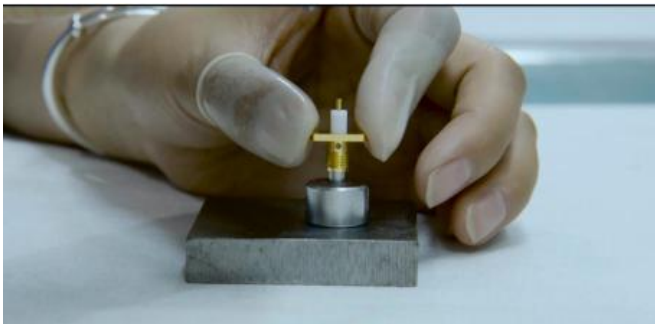
- A portable bend tool for semi-rigid cable
- A center conductor structure for pin-coupling connectors
- A right angle connector for coaxial cables
- A preloading bend tool for center conductor of coaxial cables

OUR ODM Capability

We have R & D center responsible for the development and exploration of high-end interconnection products and frontier fields. The R & D team has 138 engineers and technicians, including 28 senior engineers and 41 engineers.



The technology leader is an experienced person with more than 20 years of experience in the industry. The project leader is the backbone of the National High-tech Project and key weapons and equipment supporting projects.





LABORATORY TEST INSTRUMENT

We've established 2 laboratories well equipped with nearly 500 sets of testing and experimental instrument to guarantee quality and reliability of our products. Due to confidential reasons, below listed are just some of them.

- 110GHz vector network analyzers
- Hi-pot testers
- Insulation resistance testers
- DC low resistance testers
- Temperature and humidity chamber
- Salt spray test chamber
- Helium mass spectrum detecting instrument
- X-ray thickness measurement system
- X-ray detecting system

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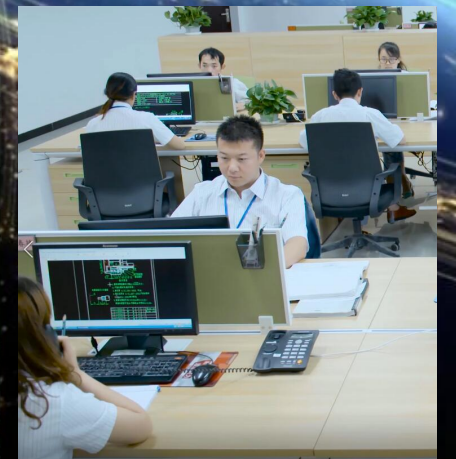
- 110GHz vector network analyzers
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- DC low resistance testers
- Temperature and humidity chamber
- Salt spray test chamber
- Helium mass spectrum detecting instrument
- X-ray thickness measurement system
- X-ray detecting system

- Image dimension measurement system
- Profile projector
- Magnetic conductivity testers
- Electro-thermal drying ovens
- Digital torque testers
- Push and pull gauges
- Shore durometers
- Digital micro-hardness testers





OUR WORKSHOP





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