

射頻同軸連接器
TYPE RF Connector

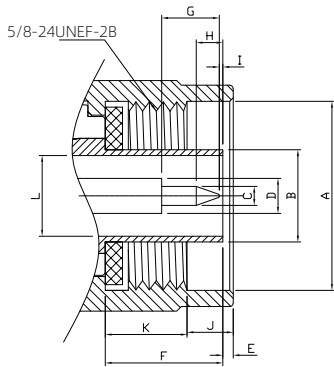
N系列产品是一种螺纹连接的中功率连接器,它具有可靠性高、抗振性强、机械和电气性能优良等特点,广泛用于振动和环境恶劣条件下的无线电设备和仪器及地面发射系统连接射频同轴电缆。

N series product is a kind of medium power connector with threaded connection. It has the characteristics of high reliability, strong vibration resistance, excellent mechanical and electrical performance, etc. It is widely used in radio equipment and instruments and ground launches under vibration and harsh environmental conditions. The system is connected to the radio frequency coaxial cable.

界面尺寸

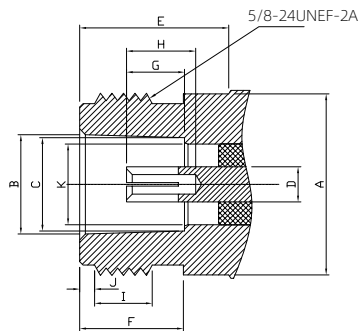
INTERFACE MATING DIMENSIONS

插头 Plug



Plug		
Code	Millimeters	
	Min	Max
A	16.00	-
B	8.05	8.10
C	1.64	1.67
D	3.04nom	
E	0.41	1.52
F	10.11	10.46
G	5.28	5.36
H	3.30	4.32
I	0.08	-
J	4.01	4.27
K	4.50	-
L	7.00nom	

插座 Jack



Jack		
Code	Millimeters	
	Min	Max
A	-	15.93
B	8.53	8.74
C	8.03	8.13
D	3.04nom	
E	10.72	-
F	6.76	-
G	5.18	5.26
H	5.33	-
I	4.37	-
J	1.19	1.96
K	7.00nom	

主要技术特性

MAJOR TECHNICAL CHARACTERISTICS

温度范围 Temp.range -65~+165°C (PE Cable)

振 动 Vibration MIL-STD-202, Method 213

特性阻抗 Impedance 50Ω

频率范围 Frequency Range DC~11GHz

工作电压 Working Voltage 1000V max (有效值)

耐 压 Withstand Voltage 2500V rms (海平面最小值)

接触电阻 Contact resistance

内导体之间 Center Contact $\leq 1 \text{ m}\Omega$

外导体之间 Outer Contact $\leq 1 \text{ m}\Omega$

绝缘电阻 Insulation resistance $\geq 5000 \text{ M}\Omega$

电压驻波比 VSWR

直式 Straight ≤ 1.15

弯式 Right angle ≤ 1.25

耐用性 Durability(mating) ≥ 500 次(cycles)

材料与涂覆

MATERIAL & PLATING

壳体 shell 黄铜 brass 镀亮镍 nickel plated

插针 contact pin 黄铜 brass 镀硬金 gold plated

弹性接触件 elastic contact 铍青铜 beryllium 镀硬金 gold plated

插孔 socket 铍青铜或锡青铜 beryllium or tin brass 镀硬金 gold plated

绝缘体 insulator 聚四氟乙烯 PTFE

压接套 crimping suite 铜合金 copper alloy 镀镍或镀金 nickel or gold plated

o型密封件 o-ring sealing 硅橡胶 6146 silastic

适用技术标准

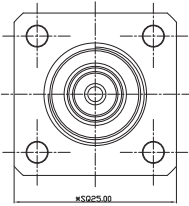
APPLICABLE STANDARD

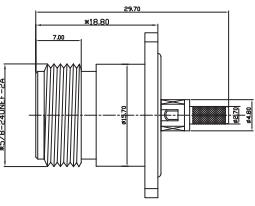
MIL-C-39012; CECC 22210; IEC 61169-16.

N法兰 N flange

Name: N JACK FOR CABLE
Code: **HMT-N-CAB-001**

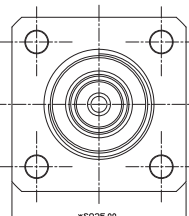


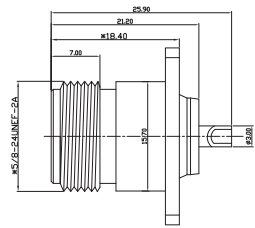




Name: N JACK FOR PCB
Code: **HMT-N-PCB-002**

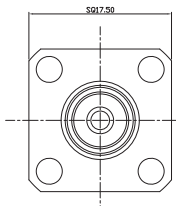


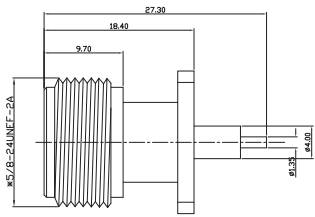




Name: N JACK FOR PCB
Code: **HMT-N-PCB-003**



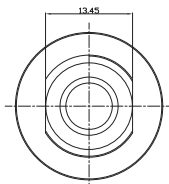


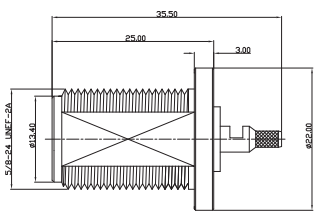


N母头 N female

Name: N JACK FOR CABLE
Code: **HMT-N-CAB-004**



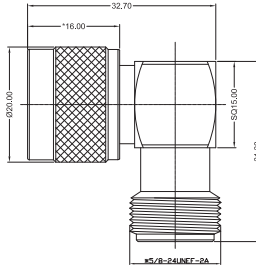




N公头 N male

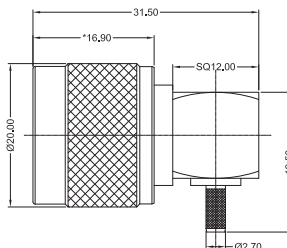
Name: N PLUG TO N JACK
Code: **HMT-N-N-005**





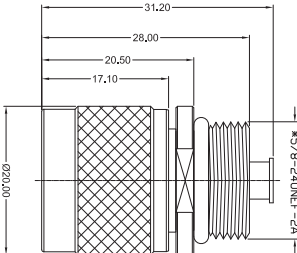
Name: N PLUG FOR CABLE
Code: **HMT-N-CAB-006**





Name: N PLUG FOR ANTENNA
Code: **HMT-N-ANT-007**





Name: N PLUG FOR CABLE
Code: **HMT-N-CAB-008**



