网络分析仪测试电缆组件

特性

- ◆最高频率可达67GHz
- ◆端口种类齐全
- ◆具有优异的稳幅稳相性能
- ◆有精密型和经济型
- ◆接受定制

作用

本产品主要用于配合矢量网络分析仪（VNA）的测试应用。

端口采用NMD连接器，可与矢网紧固连接，拥有优异的机械相位稳定性和连接重复性，可满足实验室、生产线、测试系统等条件下微波电参数的精密测量。

端口代号

端口	代号
NMD1.85mm	71
NMD2.4mm	78
NMD2.92mm	37
NMD3.5mm	76
RUC2.92mm	77
RUC3.5mm	75
1.85mm	61
2.4mm	68
2.92mm	67
3.5mm	66
Type N	65
7mm	35

NAC-精密型

NBC-经济型

命名规则

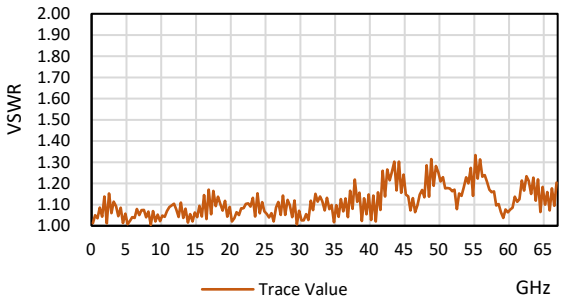
- NAC
  - NAC:精密型
  - NBC:经济型
- 65
  - 端口1代号
- 65
  - 端口2代号
- A
  - 无：默认
  - A:阳头-阳头
  - B:阴头-阴头
  - C:阳头-阴头
  - D:阴头-阳头
- L
  - L:长度
- 1
  - 1: 63cm/24.8”
  - 2: 97cm/38”
  - 定制长度

精密型网分组件
NAC系列

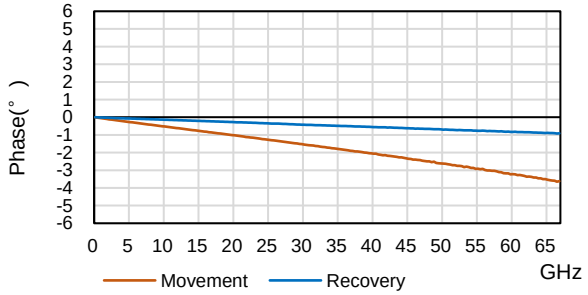
具有极其优异的稳幅稳相性能，坚固轻巧的机械结构，可承受弯曲、挤压、扭曲、拉伸等外力并保持稳定性能，结实耐用。

电缆外径	15.2mm
最小弯折半径	50mm
连接次数	>5000
操作温度	0 to +40℃
存储温度	-40 to +75℃
屏蔽性	>100dB(18GHz)
抗压性	>130kgf/cm

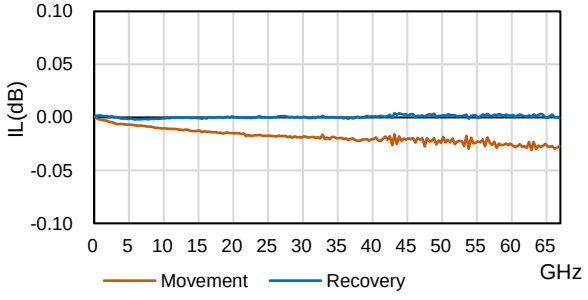
典型驻波性能



典型相位稳定性能



典型幅度稳定性能



数据测试自1.85mm网分组件NAC7171L1
以10cm直径弯曲360°

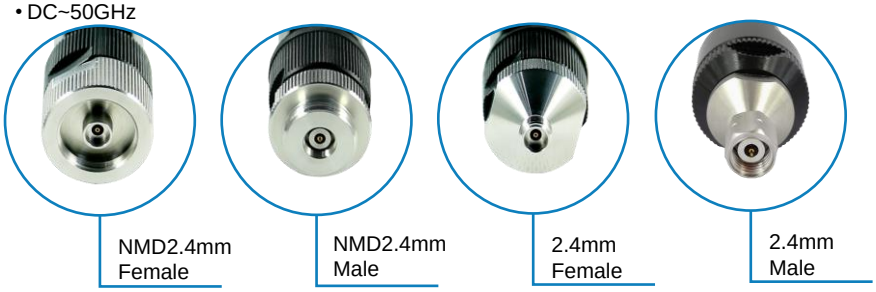
1.85mm

• DC~67GHz

NMD1.85mm Female | NMD1.85mm Male | 1.85mm Female | 1.85mm Male

2.4mm

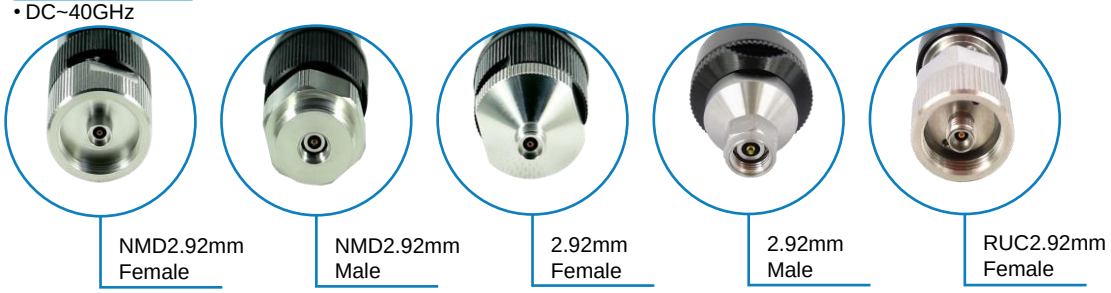
• DC~50GHz



NMD2.4mm Female | NMD2.4mm Male | 2.4mm Female | 2.4mm Male

2.92mm

• DC~40GHz



NMD2.92mm Female | NMD2.92mm Male | 2.92mm Female | 2.92mm Male | RUC2.92mm Female

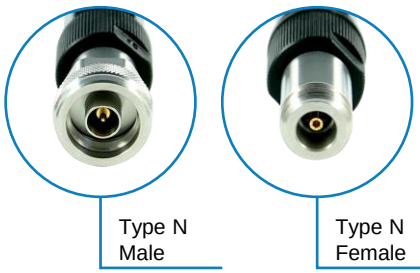
3.5mm

• DC~26.5GHz

NMD3.5mm Female | NMD3.5mm Male | 3.5mm Female | 3.5mm Male | RUC3.5mm Female

Type N

• DC~18GHz



Type N Male | Type N Female

7mm

• DC~18GHz

7mm Sexless

NAC产品索引

	NMD1.85mm Female	NMD2.4mm Female	NMD2.92mm Female	RUC2.92mm Female	NMD3.5mm Female	RUC3.5mm Female	Type N Male	7mm Sexless
NMD1.85mm Male	1							
1.85mm Female	2							
NMD2.4mm Male		3	9					
2.4mm Female		4	10	15				
2.4mm Male		5	11	16				
NMD2.92mm Male		6	12					
2.92mm Female		7	13	17				
2.92mm Male		8	14	18				
NMD3.5mm Male					19		30	36
3.5mm Female					20	25	31	37
3.5mm Male					21	26	32	38
Type N Female					22	27	33	39
Type N Male					23	28	34	40
7mm Sexless					24	29	35	41

注：型号见下页对应序号

NAC系列电缆组件（长度63cm）

序号	型号	端口1	端口2	频率（GHz）	驻波	插损（dB）	幅度稳定度（dB）	相位稳定度（°）
1	NAC7171L1	NMD1.85mm Female	NMD1.85mm Male	DC~67	1.4	<5.2	<±0.05	<±4°
2	NAC7161L1	NMD1.85mm Female	1.85mm Female	DC~67	1.4	<5.2	<±0.05	<±4°
3	NAC7878L1	NMD2.4mm Female	NMD2.4mm Male	DC~50	1.3	<3	<±0.05	<±3°
4	NAC7868L1	NMD2.4mm Female	2.4mm Female	DC~50	1.3	<3	<±0.05	<±3°
5	NAC7868DL1	NMD2.4mm Female	2.4mm Male	DC~50	1.3	<3	<±0.05	<±3°
6	NAC7837L1	NMD2.4mm Female	NMD2.92mm Male	DC~40	1.3	<2.8	<±0.05	<±2.5°
7	NAC7867L1	NMD2.4mm Female	2.92mm Female	DC~40	1.3	<2.8	<±0.05	<±2.5°
8	NAC7867DL1	NMD2.4mm Female	2.92mm Male	DC~40	1.3	<2.8	<±0.05	<±2.5°
9	NAC3778L1	NMD2.92mm Female	NMD2.4mm Male	DC~40	1.3	<2.8	<±0.05	<±2.5°
10	NAC3768L1	NMD2.92mm Female	2.4mm Female	DC~40	1.3	<2.8	<±0.05	<±2.5°
11	NAC3768DL1	NMD2.92mm Female	2.4mm Male	DC~40	1.3	<2.8	<±0.05	<±2.5°
12	NAC3737L1	NMD2.92mm Female	NMD2.92mm Male	DC~40	1.3	<2.8	<±0.05	<±2.5°
13	NAC3767L1	NMD2.92mm Female	2.92mm Female	DC~40	1.3	<2.8	<±0.05	<±2.5°
14	NAC3767DL1	NMD2.92mm Female	2.92mm Male	DC~40	1.3	<2.8	<±0.05	<±2.5°
15	NAC7768L1	RUC2.92mm Female	2.4mm Female	DC~40	1.3	<2.8	<±0.05	<±2.5°
16	NAC7768DL1	RUC2.92mm Female	2.4mm Male	DC~40	1.3	<2.8	<±0.05	<±2.5°
17	NAC7767L1	RUC2.92mm Female	2.92mm Female	DC~40	1.3	<2.8	<±0.05	<±2.5°
18	NAC7767DL1	RUC2.92mm Female	2.92mm Male	DC~40	1.3	<2.8	<±0.05	<±2.5°
19	NAC7676L1	NMD3.5mm Female	NMD3.5mm Male	DC~26.5	1.25	<1.8	<±0.05	<±2°
20	NAC7666L1	NMD3.5mm Female	3.5mm Female	DC~26.5	1.25	<1.8	<±0.05	<±2°
21	NAC7666DL1	NMD3.5mm Female	3.5mm Male	DC~26.5	1.25	<1.8	<±0.05	<±2°
22	NAC7665BL1	NMD3.5mm Female	Type N Female	DC~18	1.2	<1.5	<±0.05	<±1.5°
23	NAC7665DL1	NMD3.5mm Female	Type N Male	DC~18	1.2	<1.5	<±0.05	<±1.5°
24	NAC7635BL1	NMD3.5mm Female	7mm Sexless	DC~18	1.2	<1.5	<±0.05	<±1.5°
25	NAC7566L1	RUC3.5mm Female	3.5mm Female	DC~26.5	1.25	<1.8	<±0.05	<±2°
26	NAC7566DL1	RUC3.5mm Female	3.5mm Male	DC~26.5	1.25	<1.8	<±0.05	<±2°
27	NAC7565BL1	RUC3.5mm Female	Type N Female	DC~18	1.2	<1.5	<±0.05	<±1.5°
28	NAC7565DL1	RUC3.5mm Female	Type N Male	DC~18	1.2	<1.5	<±0.05	<±1.5°
29	NAC7535BL1	RUC3.5mm Female	7mm Sexless	DC~18	1.2	<1.5	<±0.05	<±1.5°
30	NAC6576AL1	Type N Male	NMD3.5mm Male	DC~18	1.2	<1.5	<±0.05	<±1.5°
31	NAC6566CL1	Type N Male	3.5mm Female	DC~18	1.2	<1.5	<±0.05	<±1.5°
32	NAC6566AL1	Type N Male	3.5mm Male	DC~18	1.2	<1.5	<±0.05	<±1.5°
33	NAC6565CL1	Type N Male	Type N Female	DC~18	1.2	<1.5	<±0.05	<±1.5°
34	NAC6565AL1	Type N Male	Type N Male	DC~18	1.2	<1.5	<±0.05	<±1.5°
35	NAC6535AL1	Type N Male	7mm Sexless	DC~18	1.2	<1.5	<±0.05	<±1.5°
36	NAC3576AL1	7mm Sexless	NMD3.5mm Male	DC~18	1.2	<1.5	<±0.05	<±1.5°
37	NAC3566BL1	7mm Sexless	3.5mm Female	DC~18	1.2	<1.5	<±0.05	<±1.5°
38	NAC3566AL1	7mm Sexless	3.5mm Male	DC~18	1.2	<1.5	<±0.05	<±1.5°
39	NAC3565BL1	7mm Sexless	Type N Female	DC~18	1.2	<1.5	<±0.05	<±1.5°
40	NAC3565AL1	7mm Sexless	Type N Male	DC~18	1.2	<1.5	<±0.05	<±1.5°
41	NAC3535L1	7mm Sexless	7mm Sexless	DC~18	1.2	<1.5	<±0.05	<±1.5°

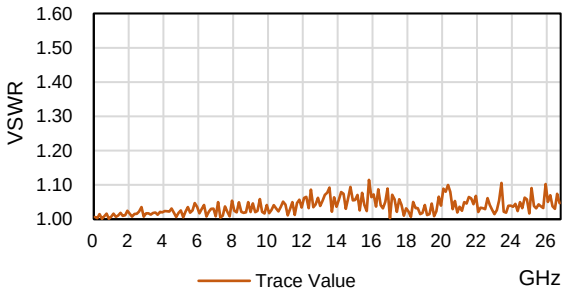
注：其它端口组合和长度可联系厂家

经济型网分组件
NBC系列

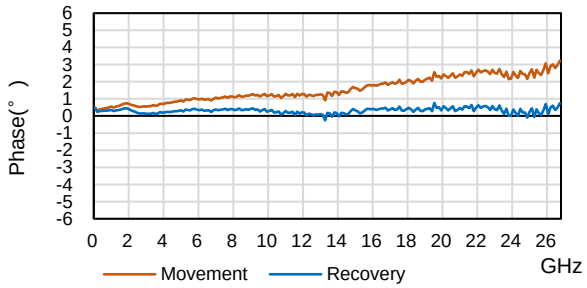
采用灵活柔韧的小体积铠甲结构，具有更轻的重量、更小的弯曲应力和弯曲半径。良好的微波电性能和幅度相位稳定度，更加适合生产线上的工程测试应用，使测试更为方便灵活，有助于提高生产线的批量测试效率。

电缆外径	10.3mm
最小弯折半径	50mm
连接次数	>5000
操作温度	0 to +40℃
存储温度	-40 to +75℃
屏蔽性	>100dB(18GHz)
抗压性	>80kgf/cm

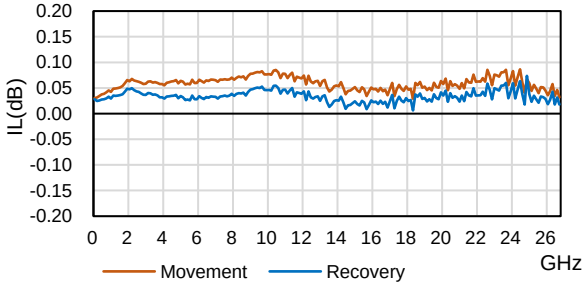
典型驻波性能



典型相位稳定性能



典型幅度稳定性能



数据测试自3.5mm网分组件NBC7666BL1
以10cm直径弯曲360°

端口图片

2.4mm
• DC~50GHz

NMD2.4mm Female

2.4mm Female

2.4mm Male

2.92mm
• DC~40GHz

NMD2.92mm Female

2.92mm Female

2.92mm Male

3.5mm
• DC~26.5GHz

NMD3.5mm Female

3.5mm Female

3.5mm Male

Type N
• DC~18GHz

Type N Male

Type N Female

7mm
• DC~18GHz

7mm Sexless

NBC产品索引

	NMD2.4mm Female	NMD2.92mm Female	NMD3.5mm Female	Type N Male	7mm Sexless
2.4mm Female	1&3	7			
2.4mm Male	2&4	8			
2.92mm Female	5	9			
2.92mm Male	6	10			
3.5mm Female			11	16	21
3.5mm Male			12	17	22
Type N Female			13	18	23
Type N Male			14	19	20
7mm Sexless			15	20	24

注：型号见下页对应序号

NBC系列电缆组件（长度63cm）

序号	型号	端口1	端口2	频率（GHz）	驻波	插损（dB）	幅度稳定度（dB）	相位稳定度（°）
1	NBC7868BL1	NMD2.4mm Female	2.4mm Female	DC~50	1.35	<2.65	<±0.1	<±5.5°
2	NBC7868DL1	NMD2.4mm Female	2.4mm Male	DC~50	1.35	<2.65	<±0.1	<±5.5°
3	NAC7868BL1-G7	NMD2.4mm Female	2.4mm Female	DC~40	1.3	<1.98	<±0.1	<±4.5°
4	NBC7868DL1-G7	NMD2.4mm Female	2.4mm Male	DC~40	1.3	<1.98	<±0.1	<±4.5°
5	NBC7867BL1	NMD2.4mm Female	2.92mm Female	DC~40	1.3	<1.98	<±0.1	<±4.5°
6	NBC7867DL1	NMD2.4mm Female	2.92mm Male	DC~40	1.3	<1.98	<±0.1	<±4.5°
7	NBC3768BL1	NMD2.92mm Female	2.4mm Female	DC~40	1.3	<1.98	<±0.1	<±4.5°
8	NBC3768DL1	NMD2.92mm Female	2.4mm Male	DC~40	1.3	<1.98	<±0.1	<±4.5°
9	NBC3767BL1	NMD2.92mm Female	2.92mm Female	DC~40	1.3	<1.98	<±0.1	<±4.5°
10	NBC3767DL1	NMD2.92mm Female	2.92mm Male	DC~40	1.3	<1.98	<±0.1	<±4.5°
11	NBC7666BL1	NMD3.5mm Female	3.5mm Female	DC~26.5	1.25	<1.1	<±0.1	<±4°
12	NBC7666DL1	NMD3.5mm Female	3.5mm Male	DC~26.5	1.25	<1.1	<±0.1	<±4°
13	NBC7665BL1	NMD3.5mm Female	Type N Female	DC~18	1.2	<0.9	<±0.1	<±3.5°
14	NBC7665DL1	NMD3.5mm Female	Type N Male	DC~18	1.2	<0.9	<±0.1	<±3.5°
15	NBC7635BL1	NMD3.5mm Female	7mm Sexless	DC~18	1.2	<0.9	<±0.1	<±3.5°
16	NBC6566CL1	Type N Male	3.5mm Female	DC~18	1.2	<0.9	<±0.1	<±3.5°
17	NBC6566AL1	Type N Male	3.5mm Male	DC~18	1.2	<0.9	<±0.1	<±3.5°
18	NBC6565CL1	Type N Male	Type N Female	DC~18	1.2	<0.9	<±0.1	<±3.5°
19	NBC6565AL1	Type N Male	Type N Male	DC~18	1.2	<0.9	<±0.1	<±3.5°
20	NBC6535AL1	Type N Male	7mm Sexless	DC~18	1.2	<0.9	<±0.1	<±3.5°
21	NBC3566BL1	7mm Sexless	3.5mm Female	DC~18	1.2	<0.9	<±0.1	<±3.5°
22	NBC3566AL1	7mm Sexless	3.5mm Male	DC~18	1.2	<0.9	<±0.1	<±3.5°
23	NBC3565BL1	7mm Sexless	Type N Female	DC~18	1.2	<0.9	<±0.1	<±3.5°
24	NBC3535L1	7mm Sexless	7mm Sexless	DC~18	1.2	<0.9	<±0.1	<±3.5°

注：其它端口组合和长度可联系厂家