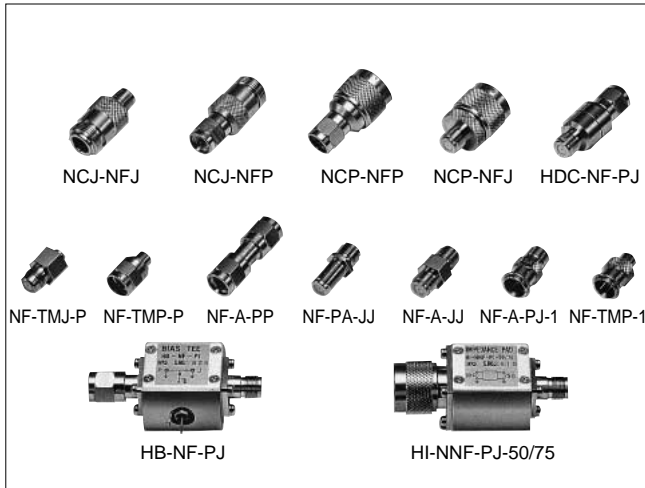


C15 Type Accessories

NF Series



C15 type accessories (with an impedance Z of 75Ω) are high performance accessories for the satellite broadcast receivers and measuring instruments developed to respond to the new media wave.

■ Features

1. High Degree of Matching

The non-reflective terminators exhibit a high degree of matching of V.S.W.R. 1.12 or less for all products.

2. Easy Connection and Disconnection

The push-on plug type of connector, which ensures easy connection and disconnection, is available for the F type of non-reflective termination and in-line adapter.

■ Product Specifications

Ratings	Frequency range (Note)	DC to 2.0 GHz
	Characteristic impedance	75 ohms
	Maximum Input Power (Non-reflective termination)	0.25W
	Operating temperature range	-10°C to +65°C
	Operating relative humidity	95% Max.

Note: The frequency range will depend on the model.

Item	Standard	Conditions
1. Insulation resistance	500 M ohms min.	500 V DC
2. Contact resistance	5 mV max.	1 A DC

■ Materials

Part	Material	Finish	Remarks
Body	Brass	Nickel plating	-----
Male center contact	Brass	Gold plating	-----
Female center contact	Beryllium copper	Gold plating	-----
Insulator	PTFE	-----	Incombustible material

■ Ordering Information

● Terminations

NF - TMP - P
 ① ② ③ ④

① Series Name: NF
② TM: Non-reflective termination
③ Coupling Portion P: Plug J: Jack
④ P: Precision 1- : Suffix

● In-line Adapters

NF - A - PJ - 1
 ① ② ③ ④

① Series Name: NF
② A: In-line adapter PA: Panel adapter
③ Coupling Portion PP: Plug - Plug JJ: Jack - Jack PJ: Plug - Jack
④ Suffix

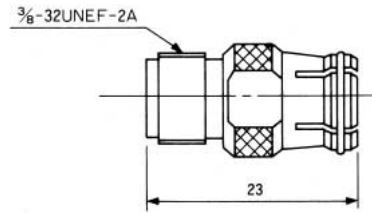
● Conversion Adapter

NCJ - NFP
 ① ②

① Connector Form (1) NCP: NC type plug NCJ: NC type jack
② Connector Form (2) NFP: C15 type plug NFJ: C15 type jack

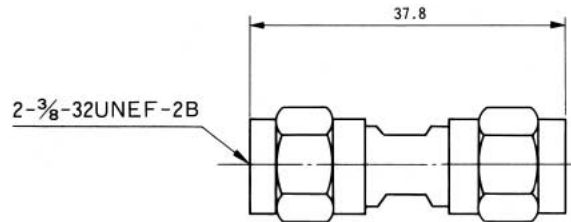
■ In-line Adapters

● Jack - Push-on Plug



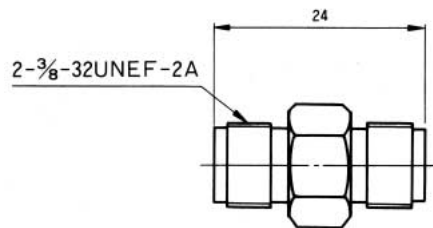
Part Number	Frequency Range	V.S.W.R.	Weight
NF-A-PJ-1	DC~1.5GHz 1.5~2.0GHz	1.06 1.12	10g

● Plug - Plug



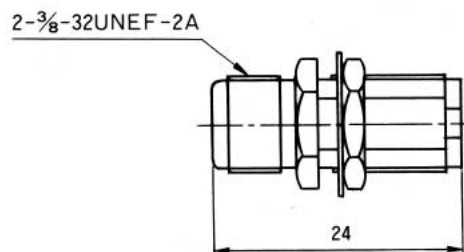
Part Number	Frequency Range	V.S.W.R.	Weight
NF-A-PP	DC~1.5GHz 1.5~2.0GHz	1.06 1.12	25g

● Jack - Jack



Part Number	Frequency Range	V.S.W.R.	Weight
NF-A-JJ	DC~1.5GHz 1.5~2.0GHz	1.032 1.06	12g

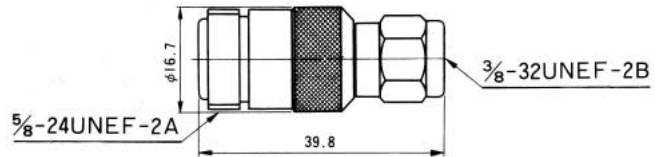
● Jack - Jack (Panel mounting type)



Part Number	Frequency Range	V.S.W.R.	Weight
NF-PA-JJ	DC~1.5GHz	1.10	12g

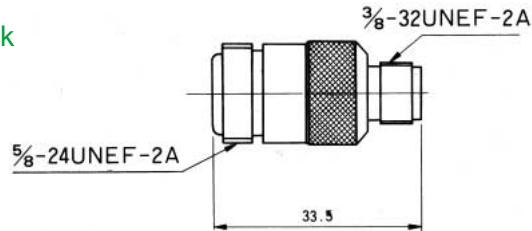
NF-N Conversion Adapter

Coupling Portion: NF side plug - NC side jack



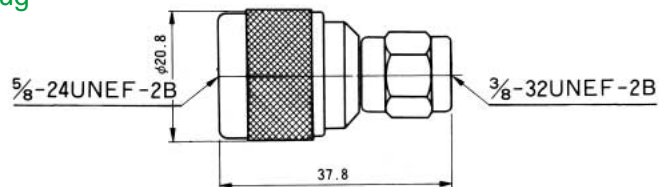
Part Number	Frequency Range	V.S.W.R.	Weight
NCJ-NFP	DC~1.5GHz 1.5~2.0GHz	1.032 1.06	40g

Coupling Portion: NF side jack - NC side jack



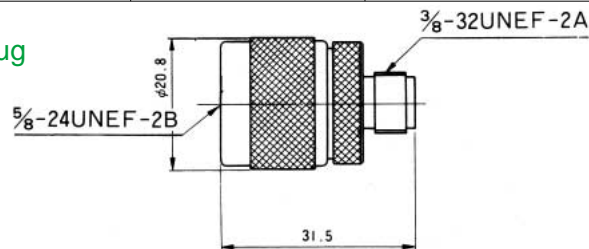
Part Number	Frequency Range	V.S.W.R.	Weight
NCJ-NFJ	DC~1.5GHz 1.5~2.0GHz	1.06 1.12	32g

Coupling Portion: NF side plug - NC side plug



Part Number	Frequency Range	V.S.W.R.	Weight
NCP-NFP	DC~1.5GHz 1.5~2.0GHz	1.06 1.12	32g

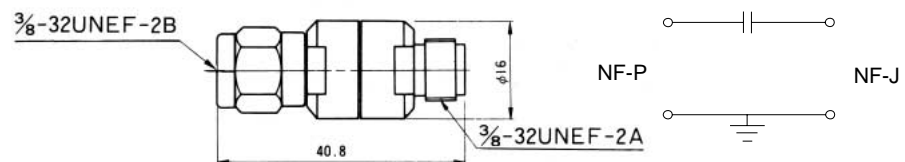
Coupling Portion: NF side jack - NC side plug



Part Number	Frequency Range	V.S.W.R.	Weight
NCP-NFJ	DC~1.5GHz 1.5~2.0GHz	1.06 1.12	38g

DC Block

Coupling Portion: NF plug - jack

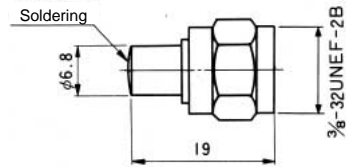


Part Number	Frequency Range	V.S.W.R.	Insertion Loss	Weight
HDC-NF-PJ	10~150MHz	1.20	0.4 dB or less	35g

Circuit Structure Diagram

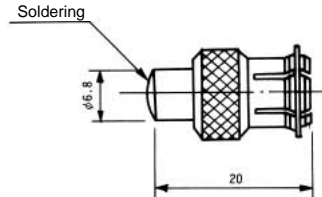
■ Non-reflective Terminations

● Plug Type



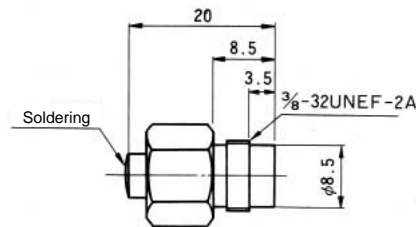
Part Number	Frequency Range	V.S.W.R.	Power	Weight
NF-TMP-P	DC~1.5GHz 1.5~2.0GHz	1.032 1.06	25mW	11g

● Push-on Plug Type



Part Number	Frequency Range	V.S.W.R.	Power	Weight
NF-TMP-1	DC~1.5GHz 1.5~2.0GHz	1.06 1.12	25mW	10g

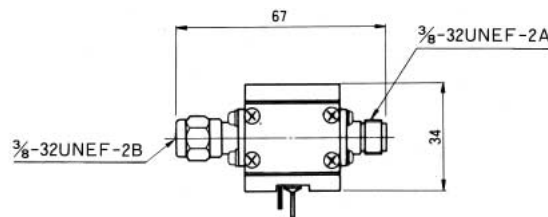
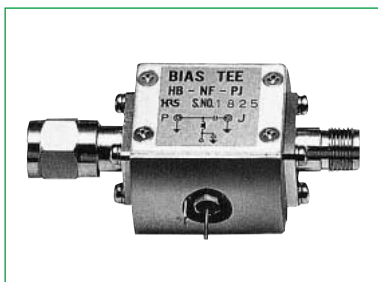
● Jack Type



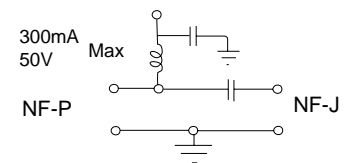
Part Number	Frequency Range	V.S.W.R.	Power	Weight
NF-TMJ-P	DC~1.5GHz 1.5~2.0GHz	1.032 1.06	25mW	13g

■ Bias Tee

● Coupling Portion: Plug - Jack



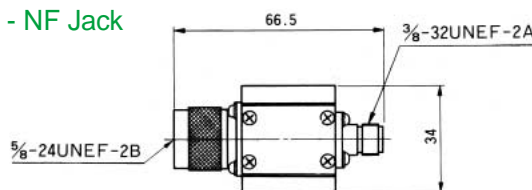
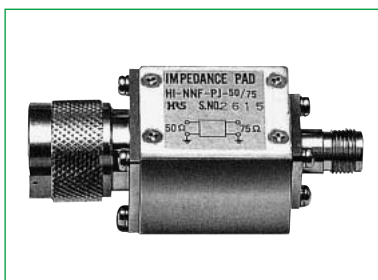
■ Circuit Diagram



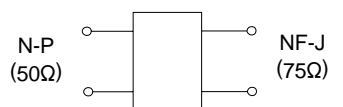
Part Number	Frequency Range	V.S.W.R.	Insertion Loss	Power	Weight
HB-NF-PJ	0.9~1.5GHz 1.0~1.35GHz	1.20 1.10	0.4 dB or less	1W	81g

■ Impedance Pad ($\lambda/4$ Conversion)

● Coupling Portion: 50ΩN Type Plug - NF Jack



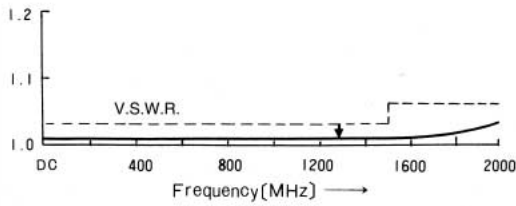
■ Circuit Diagram



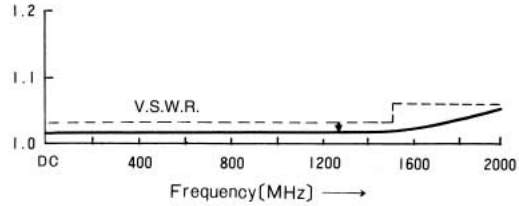
Part Number	Frequency Range	V.S.W.R.	Insertion Loss	Power	Weight
HI-NNF-PJ-50/75	0.9~1.5GHz 1.0~1.35GHz	1.25 1.20	0.4 dB or less	1W	108g

Typical Data

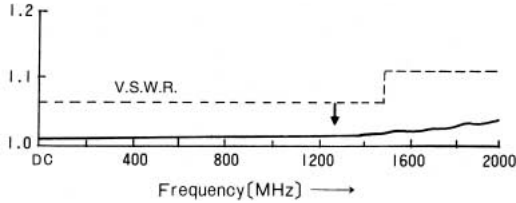
NF-TMP-P (Note 1)



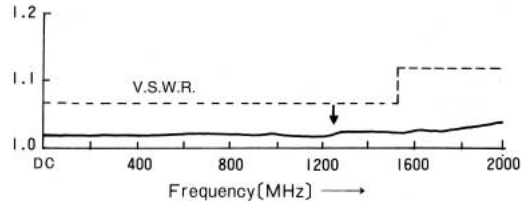
NF-TMJ-P (Note 2)



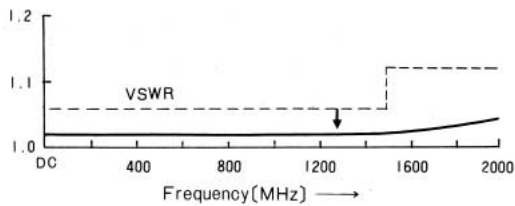
NF-TMP-1



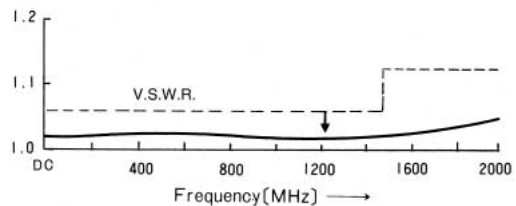
NF-A-PJ-1



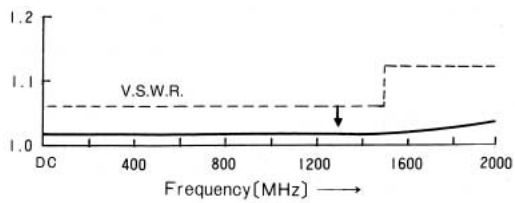
NCJ-NFJ



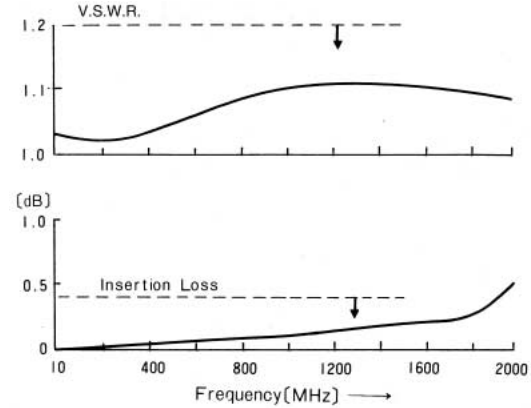
NCP-NFP



NCP-NFJ

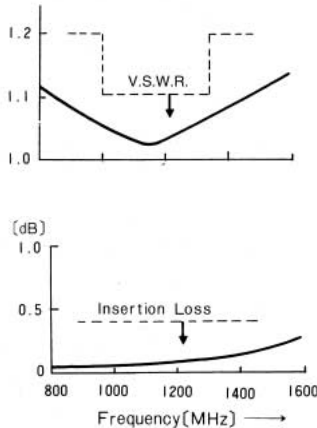


HDC-NF-PJ



NOTE 1: Measure with NCJ-NFP, and NF-A-JJ included in NF-TMP-P.
NOTE 2: Measure with NCJ-NFP included in NF-TMJ-P.

HB-NF-PJ



HI-NNF-PJ-50/75

