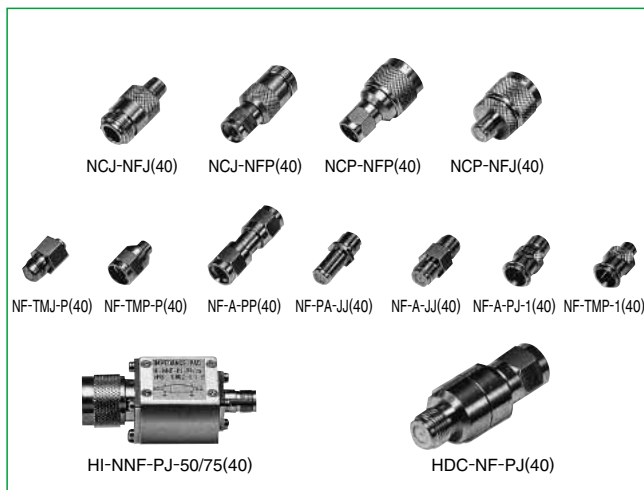


C15 Type Accessories

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 3.0 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
Body	Brass	Nickel plating
Male center contact	Brass	Gold plating
Female center contact	Beryllium copper	Gold plating
Insulator	PTFE	—

■ Ordering Information

● Terminations

NF - TMP - P (40)
 ① ② ③ ④ ⑤

● In-line Adapters

NF - A - PJ - 1 (40)
 ① ② ③ ④ ⑤

● Conversion Adapter

NCJ - NFP (40)
 ① ② ③

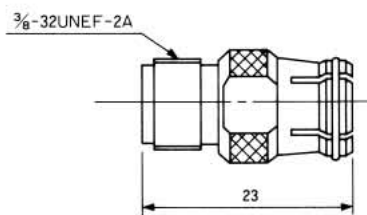
① Series Name: NF
② TM: Non-reflective termination
③ Coupling Portion P: Plug J: Jack
④ P: Precision 1- : Suffix
⑤ (40): RoHS Compliant

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
⑤ (40): RoHS Compliant

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

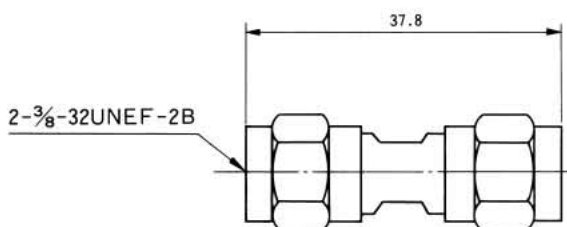
■ In-line Adapters

● Jack - Push-on Plug



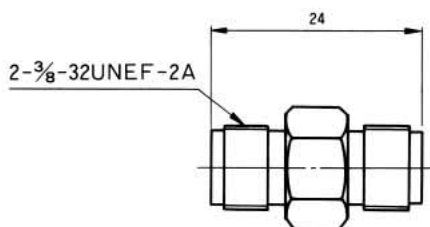
Part Number	Frequency Range	V.S.W.R.	Weight	RoHS
NF-A-PJ-1(40)	DC~1.5GHz	1.06	10g	YES
	1.5~2.0GHz	1.12		
	2.0~2.5GHz	1.2		
	2.5~3.0GHz	1.25		

● Plug - Plug



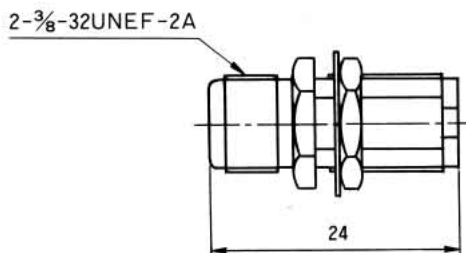
Part Number	Frequency Range	V.S.W.R.	Weight	RoHS
NF-A-PP(40)	DC~1.5GHz	1.06	25g	YES
	1.5~3.0GHz	1.12		

● Jack - Jack



Part Number	Frequency Range	V.S.W.R.	Weight	RoHS
NF-A-JJ(40)	DC~1.5GHz	1.032	12g	YES
	1.5~2.0GHz	1.06		
	2.0~3.0GHz	1.12		

● Jack - Jack (Panel mounting type)

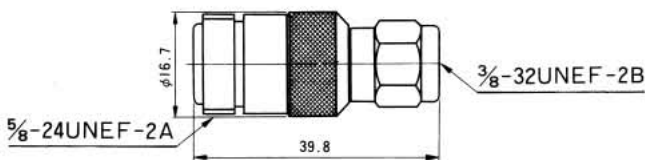


Part Number	Frequency Range	V.S.W.R.	Weight	RoHS
NF-PA-JJ	DC~1.5GHz	1.10	12g	YES
	1.5~3.0GHz	1.15		

NF Series C15 Type Accessories

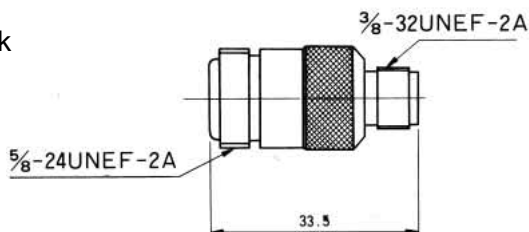
NF-N Conversion Adapter

●Coupling Portion: NF side plug - NC side jack



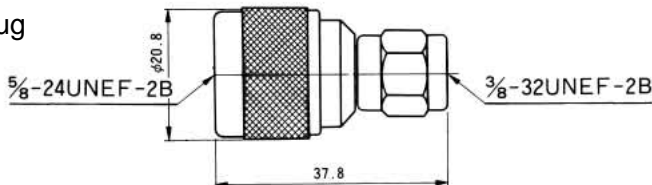
Part Number	Frequency Range	V.S.W.R.	Weight	RoHS
NCJ-NFP(40)	DC~1.5GHz	1.032	40g	YES
	1.5~2.0GHz	1.06		
	2.0~2.5GHz	1.1		
	2.5~3.0GHz	1.15		

●Coupling Portion: NF side jack - NC side jack



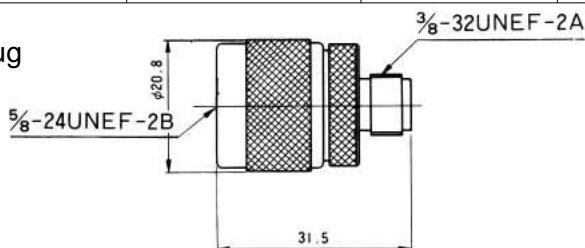
Part Number	Frequency Range	V.S.W.R.	Weight	RoHS
NCJ-NFJ(40)	DC~1.5GHz	1.06	32g	YES
	1.5~2.0GHz	1.12		
	2.0~3.0GHz	1.2		

●Coupling Portion: NF side plug - NC side plug



Part Number	Frequency Range	V.S.W.R.	Weight	RoHS
NCP-NFP(40)	DC~1.5GHz	1.06	32g	YES
	1.5~2.0GHz	1.12		
	2.0~2.5GHz	1.2		
	2.5~3.0GHz	1.25		

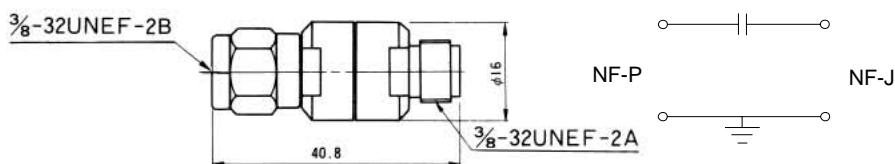
●Coupling Portion: NF side jack - NC side plug



Part Number	Frequency Range	V.S.W.R.	Weight	RoHS
NCP-NFJ(40)	DC~1.5GHz	1.06	38g	YES
	1.5~2.0GHz	1.12		
	2.0~2.5GHz	1.2		
	2.5~3.0GHz	1.3		

DC Block

●Coupling Portion: NF plug - jack

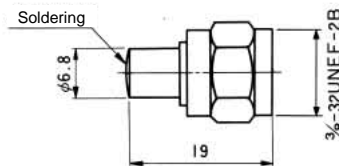


Circuit Structure Diagram

Part Number	Frequency Range	V.S.W.R.	Insertion Loss	Weight
HDC-NF-PJ	10~1500MHz	1.20	0.4 dB or less	35g

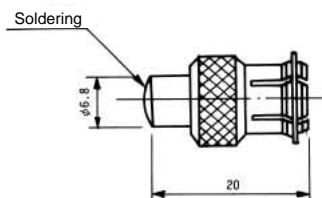
■ Non-reflective Terminations

● Plug Type



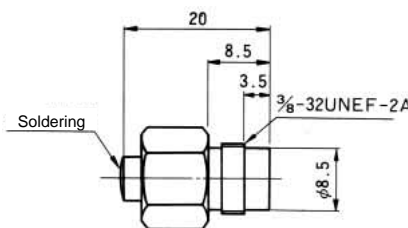
Part Number	Frequency Range	V.S.W.R.	Power	Weight	RoHS
NF-TMP-P(40)	DC~1.5GHz 1.5~2.0GHz 2.0~3.0GHz	1.032 1.06 1.15	25mW	11g	YES

● Push-on Plug Type



Part Number	Frequency Range	V.S.W.R.	Power	Weight	RoHS
NF-TMP-1(40)	DC~1.5GHz 1.5~2.0GHz 2.0~3.0GHz	1.06 1.12 1.2	25mW	10g	YES

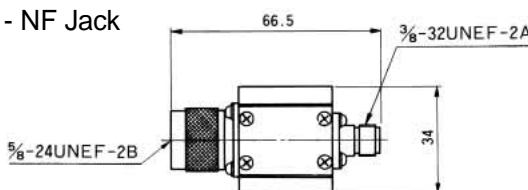
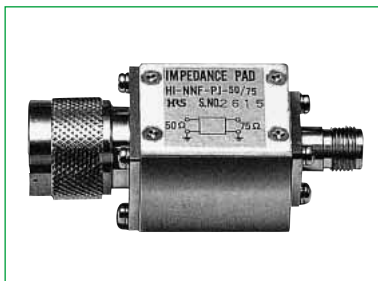
● Jack Type



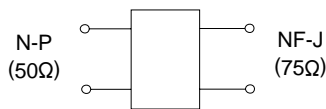
Part Number	Frequency Range	V.S.W.R.	Power	Weight	RoHS
NF-TMJ-P(40)	DC~1.5GHz 1.5~2.0GHz 2.0~3.0GHz	1.032 1.06 1.15	25mW	13g	YES

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

● Coupling Portion: 50 Ω Type Plug - NF Jack



■ Circuit Diagram

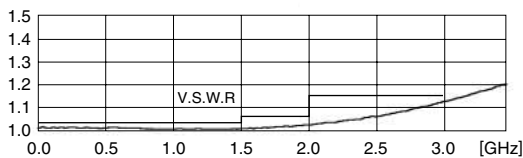


Part Number	Frequency Range	V.S.W.R.	Insertion Loss	Power	Weight	RoHS
HI-NNF-PJ-50/75(40)	0.9~1.5GHz 1.0~1.35GHz	1.25 1.20	0.4 dB or less	1W	108g	YES

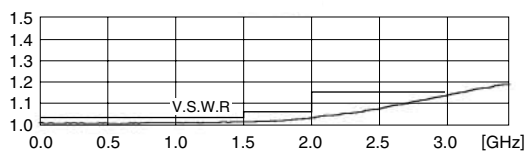
NF Series C15 Type Accessories

Typical Data

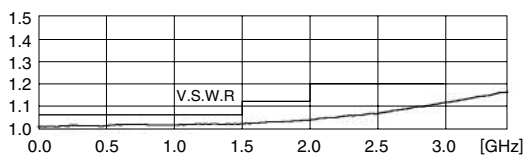
NF-TMP-P(40) (Note 1)



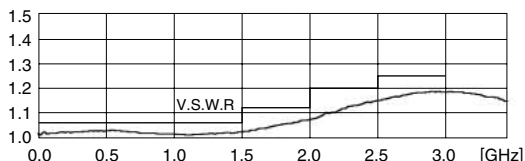
NF-TMJ-P(40) (Note 2)



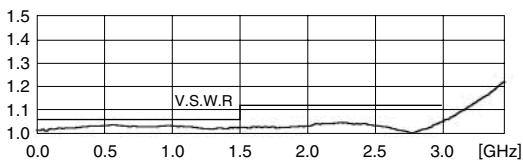
NF-TMP-1(40)



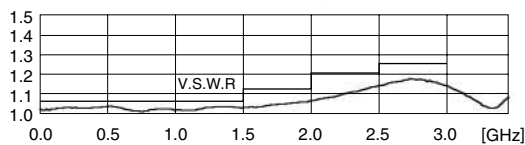
NF-A-PJ-1(40)



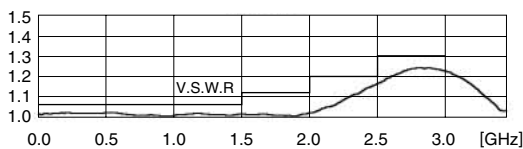
NCJ-NFJ(40)



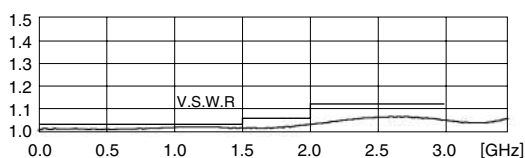
NCP-NFP(40)



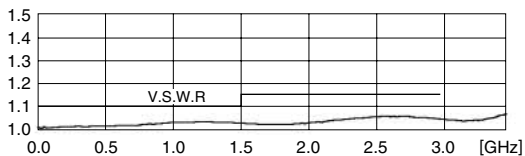
NCP-NFJ(40)



HDC-NF-PJ(40)



NF-PA-JJ(40)



NOTE 1: Measure with NCJ-NFP(40), and NF-A-JJ(40) included in NF-TMP-P(40).

NOTE 2: Measure with NCJ-NFP(40) included in NF-TMJ-P(40).

HI-NNF-PJ-50/75(40)

