



THE DATASHEET OF NF-SF50+



Coaxial

Adapter, N-FEM to SMA-FEM

NF-SF50+

50Ω

DC to 18 GHz



Generic photo used for illustration purposes only

CASE STYLE: DJ827

Connectors	Model
Conn1 N-FEM	Conn2 SMA-FEM
NF-SF50+	

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Permanent damage may occur if any of these limits are exceeded.	

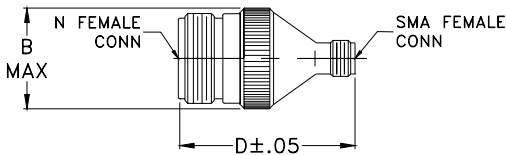
Features

- flat response
- excellent VSWR
- passivated stainless steel
- low cost adapters, available from stock

Applications

- interconnection of RF cables and equipment

Outline Drawing



Outline Dimensions (inch/mm)

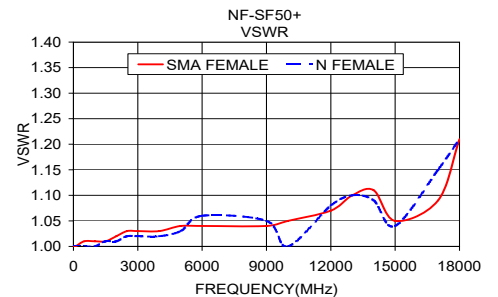
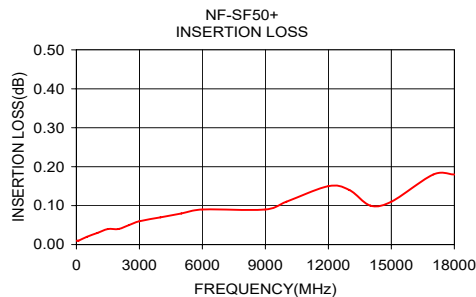
A	B	C	D	E	wt
					grams
--	.70	--	1.23	--	26.0
--	17.78	--	31.24	--	

Electrical Specifications T_{AMB}=25°C

FREQUENCY (GHz)	INSERTION LOSS (dB)	VSWR (:1) Max.		
		DC-8 GHz	DC-12.4 GHz	DC-18 GHz
f _L -f _U	Typ.			
DC-18	0.1	1.15	1.20	1.25

Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	
		N-FEM	SMA-FEM
10.00	0.01	1.00	1.00
50.00	0.01	1.00	1.00
100.00	0.01	1.00	1.00
500.00	0.02	1.00	1.01
1000.00	0.03	1.00	1.01
1500.00	0.04	1.01	1.01
2000.00	0.04	1.01	1.02
2500.00	0.05	1.02	1.03
3000.00	0.06	1.02	1.03
4000.00	0.07	1.02	1.03
5000.00	0.08	1.03	1.04
6000.00	0.09	1.06	1.04
9000.00	0.09	1.05	1.04
10000.00	0.11	1.00	1.05
12000.00	0.15	1.08	1.07
13000.00	0.14	1.10	1.10
14000.00	0.10	1.09	1.11
15000.00	0.11	1.04	1.05
17000.00	0.18	1.15	1.09
18000.00	0.18	1.21	1.21





Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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