



THE DATASHEET OF NF-SM50+

Coaxial

Adapter, N-F to SMA-M

50Ω

DC to 18 GHz

NF-SM50+



Generic photo used for illustration purposes only

CASE STYLE: DJ826

Connectors		Model
Conn1	Conn2	
N-F	SMA-M	NF-SM50+

+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.

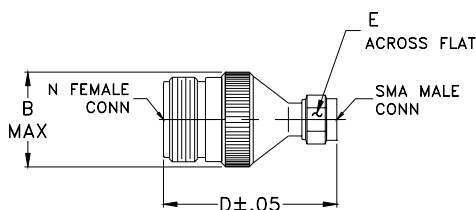
Features

- 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)

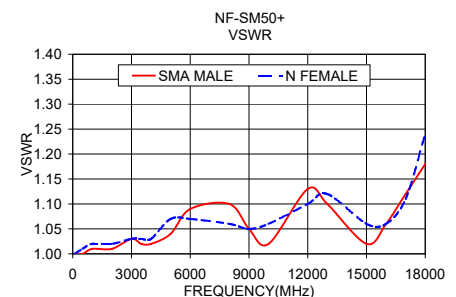
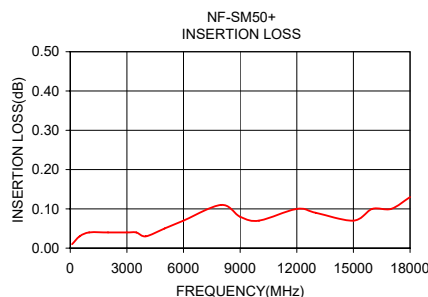
A	B	C	D	E	wt
--	.70	--	1.28	.312	grams
--	17.78	--	32.51	7.92	27.4

Electrical Specifications $T_{AMB}=25^{\circ}\text{C}$

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-F	SMA-M
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	0.03	1.01	1.00
1000.00	0.04	1.02	1.01
2000.00	0.04	1.02	1.01
3000.00	0.04	1.03	1.03
3500.00	0.04	1.03	1.02
4000.00	0.03	1.03	1.02
5000.00	0.05	1.07	1.04
6000.00	0.07	1.07	1.09
8000.00	0.11	1.06	1.10
9000.00	0.08	1.05	1.05
10000.00	0.07	1.06	1.02
12000.00	0.10	1.10	1.13
13000.00	0.09	1.12	1.10
15000.00	0.07	1.06	1.02
16000.00	0.10	1.06	1.06
17000.00	0.10	1.11	1.12
18000.00	0.13	1.24	1.18



Notes

- A. 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.
 B. 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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