

# Coaxial Adapter, N-FEM to SMA-FEM

## NFFL-SF50+

50Ω

DC to 18 GHz



CASE STYLE: DJ1808

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

**+RoHS Compliant**

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

### Maximum Ratings

Operating Temperature	-45°C to 100°C
Storage Temperature	-55°C to 100°C
Permanent damage may occur if any of these limits are exceeded.	

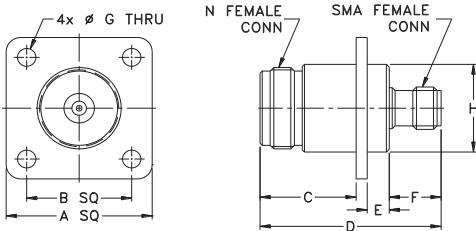
### Features

- flat response
- excellent VSWR
- passivated stainless steel
- four hole flange mount

### Applications

- interconnection of RF cables and equipment
- instrumentation

### Outline Drawing



### Outline Dimensions (inch/mm)

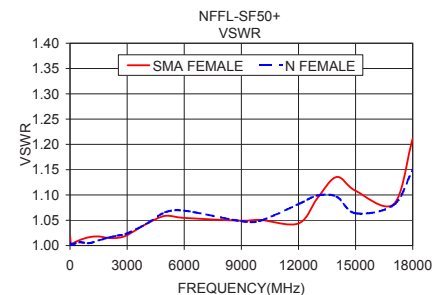
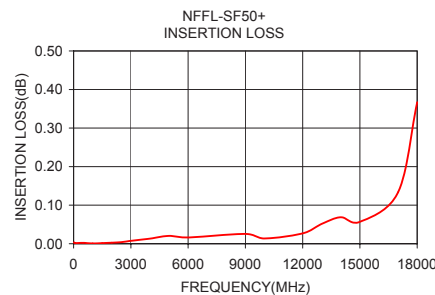
A	B	C	D	E
1.00	.718	.657	1.240	.157
25.4	18.24	16.7	31.5	4.0
F	G	H		wt
.350	.126	.620		grams
8.9	3.2	15.75		36.0

### Electrical Specifications at 25°C

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC		18	GHz
Insertion Loss	DC - 18	—	0.1	—	dB
VSWR	DC - 8	—	—	1.15	:1
	DC - 12.4	—	—	1.20	
	DC - 18	—	—	1.30	

### Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	
		N-FEM	SMA-FEM
10.00	0.003	1.01	1.02
50.00	0.003	1.00	1.00
100.00	0.002	1.00	1.00
500.00	0.002	1.01	1.01
1000.00	0.001	1.00	1.02
1500.00	0.002	1.01	1.02
2000.00	0.003	1.02	1.02
2500.00	0.004	1.02	1.02
3000.00	0.008	1.02	1.02
4000.00	0.013	1.04	1.04
5000.00	0.020	1.07	1.06
6000.00	0.016	1.07	1.05
9000.00	0.026	1.05	1.05
10000.00	0.014	1.05	1.05
12000.00	0.027	1.08	1.04
13000.00	0.052	1.10	1.09
14000.00	0.069	1.10	1.14
15000.00	0.057	1.06	1.11
17000.00	0.133	1.08	1.08
18000.00	0.367	1.15	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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