

Coaxial

# Adapter, N-MALE to SMA-M

## NM-SM50+

50Ω

DC to 18 GHz



CASE STYLE: DJ824

Connectors		Model
Conn1	Conn2	
N-MALE	SMA-M	NM-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.

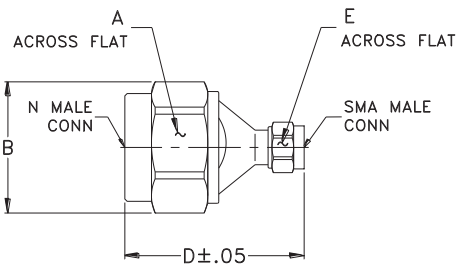
### Features

- 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)

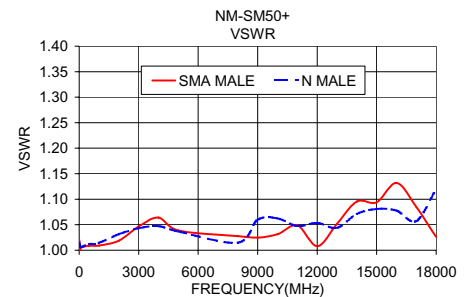
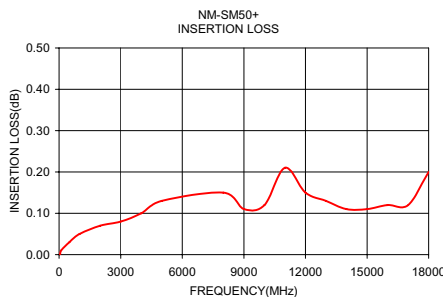
A	B	C	D	E	wt
.827	.854	--	1.28	.312	grams
21.0	21.7	--	32.51	7.92	34.6

### Electrical Specifications T<sub>AMB</sub>=25°C

FREQUENCY (GHz)	INSERTION LOSS (dB)	VSWR (:1) Max.		
		DC-8 GHz	DC-12.4 GHz	DC-18 GHz
f <sub>L</sub> -f <sub>U</sub>	Typ.			
DC-18	0.15	1.15	1.20	1.30

### Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	
		N-MALE	SMA-M
10.00	0.00	1.02	1.02
50.00	0.00	1.01	1.00
100.00	0.01	1.01	1.01
500.00	0.03	1.01	1.01
1000.00	0.05	1.01	1.01
2000.00	0.07	1.03	1.02
3000.00	0.08	1.04	1.05
4000.00	0.10	1.05	1.06
5000.00	0.13	1.04	1.04
8000.00	0.15	1.01	1.03
9000.00	0.11	1.06	1.02
10000.00	0.12	1.06	1.03
11000.00	0.21	1.05	1.05
12000.00	0.15	1.05	1.01
13000.00	0.13	1.04	1.05
14000.00	0.11	1.07	1.10
15000.00	0.11	1.08	1.09
16000.00	0.12	1.08	1.13
17000.00	0.12	1.06	1.09
18000.00	0.20	1.12	1.03



### 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.
- The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at [www.minicircuits.com/WCLStore/terms.jsp](http://www.minicircuits.com/WCLStore/terms.jsp)

