

# Coaxial Adapter, N-MALE to SMA-M

## NM-SM50+

50Ω

DC to 18 GHz



CASE STYLE: DJ824

### 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

Connectors	Model	Price	Qty.
Conn1 N-MALE	Conn2 SMA-M	NM-SM50+	\$22.95 ea. (1-49)

### Applications

- interconnection of RF cables and equipment

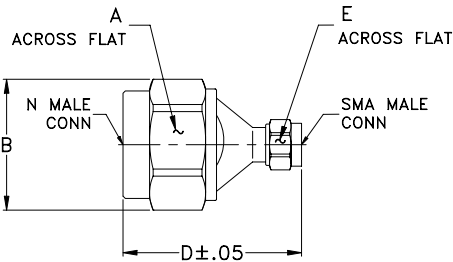
**+ RoHS compliant in accordance with EU Directive (2002/95/EC)**

*The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.*

### 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

### Outline Drawing

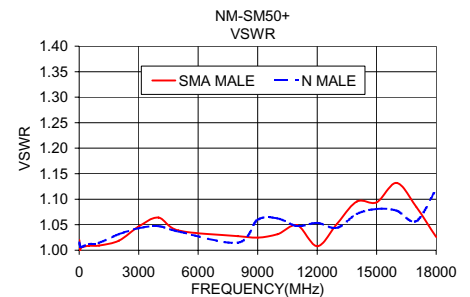
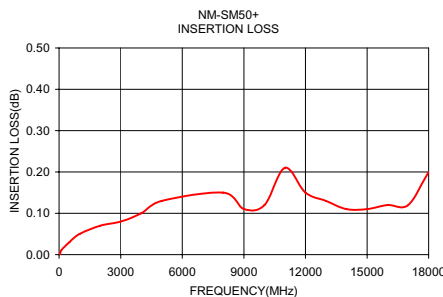


### Outline Dimensions (inch/mm)

A	B	C	D	E	wt
.812	.90	--	1.28	.312	grams
20.62	22.86	--	32.51	7.92	34.6

### 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



**Mini-Circuits®**  
ISO 9001 ISO 14001 AS 9100 CERTIFIED

**minicircuits.com**

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: [www.minicircuits.com](http://www.minicircuits.com)

IF/RF MICROWAVE COMPONENTS

REV. D  
M108294  
NM-SM50+  
EE-9107  
RS/TD/CP/AM  
081119