

Coaxial

# Adapter, SMA-M to SMA-M

## SM-SM50+

50Ω

DC to 18 GHz



### 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, 1.10:1 typ. up to 12.4 GHz and 1.15:1 typ. up to 18 GHz
- low cost adapters, available from stock
- rugged stainless steel body, gold plated

CASE STYLE: DJ951

Connectors	Model	Price	Qty.
Conn1 SMA-M	Conn2 SMA-M SM-SM50+	\$5.95 ea.	(1-49)

**+ 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.*

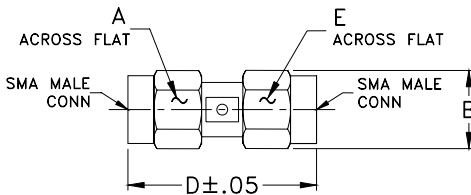
### Applications

- interconnection of RF cables and equipment

### 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	0.05	1.12	1.30	1.40

### Outline Drawing

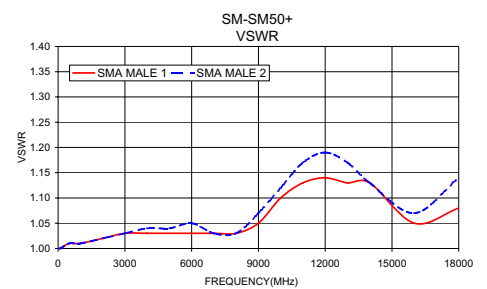


### Outline Dimensions (inch/mm)

A	B	C	D	E	wt
.312	.36	--	.87	.312	grams
7.92	9.14	--	22.10	7.92	4.8

### Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	
		SMA-M	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	1.01
1000.00	0.05	1.01	1.01
2000.00	0.05	1.02	1.02
3000.00	0.05	1.03	1.03
4000.00	0.06	1.03	1.04
5000.00	0.06	1.03	1.04
6000.00	0.07	1.03	1.05
7000.00	0.08	1.03	1.03
8000.00	0.08	1.03	1.03
9000.00	0.08	1.05	1.07
10000.00	0.10	1.10	1.12
11000.00	0.14	1.13	1.17
12000.00	0.14	1.14	1.19
13000.00	0.16	1.13	1.17
14000.00	0.16	1.13	1.13
16000.00	0.14	1.05	1.07
18000.00	0.21	1.08	1.14



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. B  
M98898  
SM-SM50+  
ED-10283  
YB/TD/CP  
081120