

Coaxial

# Adapter, SMA-F to SMA-M

## SF-SM50+

50Ω

DC to 18 GHz



CASE STYLE: DJ836

### 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, 1.05:1 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

Connectors	Model
Conn1 SMA-F	Conn2 SMA-M SF-SM50+

+ 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.

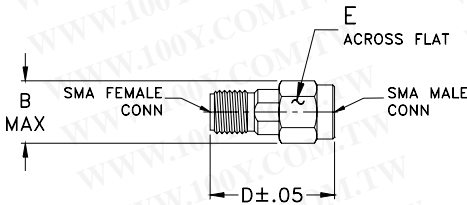
### Applications

- connector saver
- cable extender

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

FREQUENCY (GHz)	INSERTION LOSS (dB)	VSWR (:1) Max.		
$f_L-f_U$	Typ.	DC-8 GHz	DC-12.4 GHz	DC-18 GHz
DC-18	0.1	1.10	1.28	1.30

### Outline Drawing



### Outline Dimensions (inch/mm)

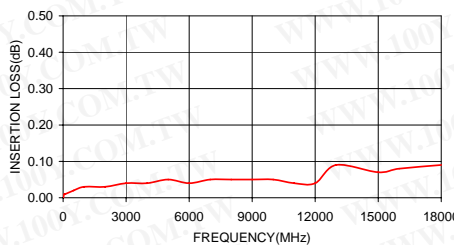
A	B	C	D	E	wt
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	.36		0.72	.312	grams
	9.14		18.29	7.92	3.2

### Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	
		SMA-F	SMA-M
10.00	0.00	1.00	1.00
50.00	0.01	1.00	1.00
100.00	0.01	1.00	1.00
500.00	0.02	1.00	1.00
1000.00	0.03	1.00	1.00
2000.00	0.03	1.01	1.00
3000.00	0.04	1.02	1.00
4000.00	0.04	1.02	1.01
5000.00	0.05	1.03	1.02
6000.00	0.04	1.04	1.04
7000.00	0.05	1.05	1.05
8000.00	0.05	1.05	1.05
9000.00	0.05	1.04	1.04
10000.00	0.05	1.04	1.03
11000.00	0.04	1.05	1.03
12000.00	0.04	1.08	1.04
13000.00	0.09	1.10	1.06
15000.00	0.07	1.11	1.11
16000.00	0.08	1.12	1.13
18000.00	0.09	1.09	1.08

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

SF-SM 50  
INSERTION LOSS



SF-SM50  
VSWR

