

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

CASE STYLE: DJ951

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

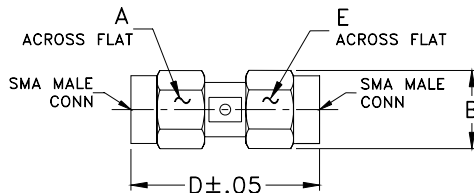
Applications

- interconnection of RF cables and equipment

+RoHS Compliant

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

Outline Drawing



Outline Dimensions (inch/mm)

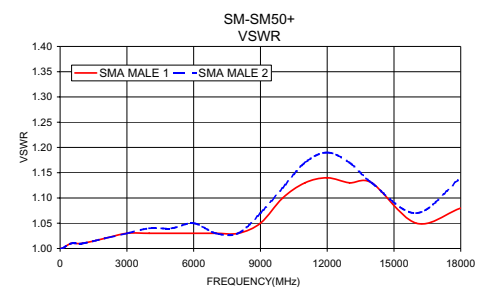
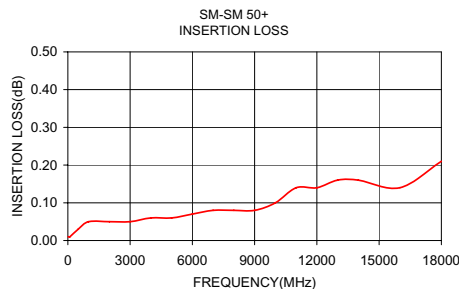
A	B	C	D	E	wt
.312	.36	--	.87	.312	grams
7.92	9.14	--	22.10	7.92	4.8

Electrical Specifications T_{AMB}=25°C

FREQUENCY (GHz)	INSERTION LOSS (dB)	VSWR (:1) Max.		
		DC-8 GHz	DC-12.4 GHz	DC-18 GHz
f _L -f _U	Typ.			
DC-18	0.05	1.12	1.30	1.40

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



Notes

- A. 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.
 B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
 C. 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/MCLStore/terms.jsp


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 Page 1 of 1