

Coaxial Adapter *SMA-F to 3.5mm-M*

50Ω DC to 26.5 GHz

Maximum Ratings

Operating Temperature -55°C to 85°C

Storage Temperature -55°C to 85°C

Permanent damage may occur if any of these limits are exceeded.

Features

- flat response
- excellent VSWR, 1.08 typ
- low cost adapters, available from stock
- rugged stainless steel body, passivated
- 3.5 mm connector mates with SMA, K and 2.92 mm connectors

Applications

- connector saver
- cable extender

SF-35M50+



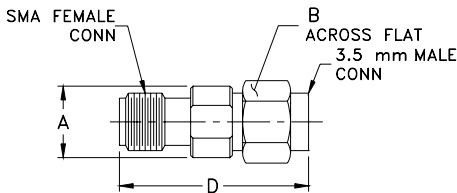
CASE STYLE: DJ1735

Connectors		Model
Conn1	Conn2	
SMA-F	3.5mm-M	SF-35M50+

+RoHS Compliant

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

Outline Drawing



Outline Dimensions (inch/mm)

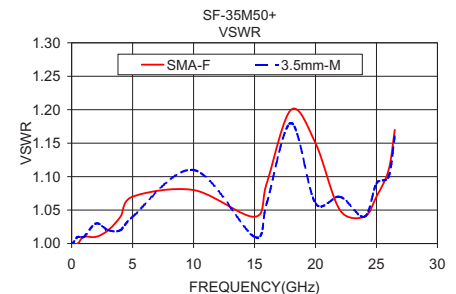
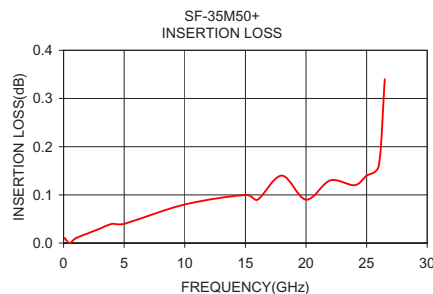
A	B	C	D	E	wt
.311	.31	--	.83	--	grams
7.90	8	--	21	--	3.0

Electrical Specifications at 25°C

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC		26.5	GHz
Insertion Loss	DC - 26.5	—	0.1	—	dB
VSWR	DC - 8	—	1.04	1.25	:1
	DC - 18	—	1.08	1.25	
	DC - 26.5	—	1.10	1.26	

Typical Performance Data

Frequency (GHz)	Insertion Loss (dB)	VSWR (:1)	
		SMA-F	3.5mm-M
0.05	0.01	1.00	1.00
0.1	0.01	1.00	1.00
0.5	0.00	1.01	1.00
1	0.01	1.01	1.01
2	0.02	1.03	1.01
3	0.03	1.02	1.02
4	0.04	1.02	1.04
5	0.04	1.04	1.07
10	0.08	1.11	1.08
15	0.10	1.01	1.04
16	0.09	1.06	1.09
18	0.14	1.18	1.20
20	0.09	1.06	1.15
22	0.13	1.07	1.05
24	0.12	1.04	1.04
25	0.14	1.09	1.07
26	0.16	1.10	1.11
26.5	0.34	1.16	1.17



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.
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