



FEATURES

- Quick connect/disconnect mating
- 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



Generic photo used for illustration purposes only

Model No.	SF-MQK50+
Case Style	DJ836
Connectors	SMA Female to SMA Male

+RoHS Compliant

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

APPLICATIONS

- Connector saver
- Cable extender

ELECTRICAL SPECIFICATIONS $T_{AMB}=25^{\circ}\text{C}$

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC		18	GHz
Insertion Loss	DC - 18	—	0.1	—	dB
VSWR	DC - 8	—	—	1.15	:1
	DC - 12.4	—	—	1.25	
	DC - 18	—	—	1.25	

ABSOLUTE MAXIMUM RATINGS

Parameter	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.



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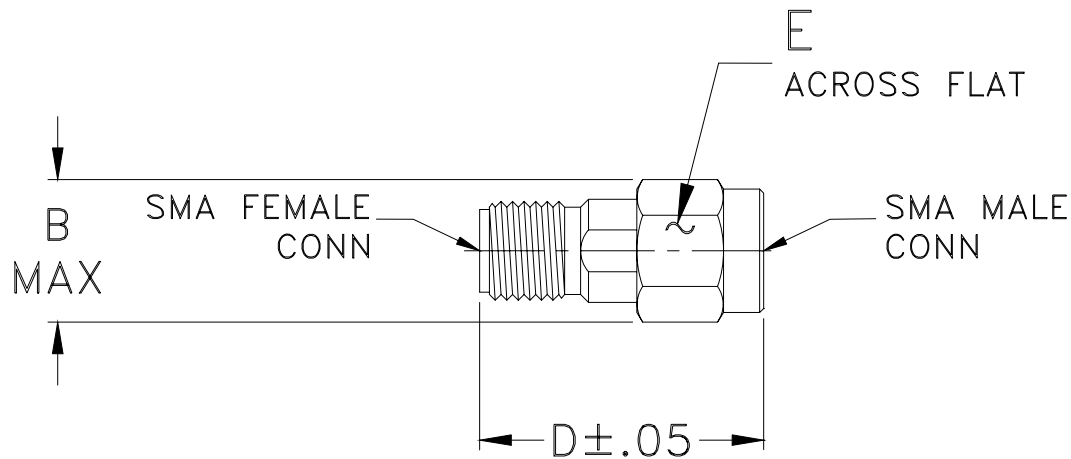
COAXIAL

Adapter

SF-MQK50+

50Ω DC to 18 GHz SMA-Female to SMA-Male

OUTLINE DRAWING



OUTLINE DIMENSIONS (Inch mm)

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





COAXIAL

Adapter

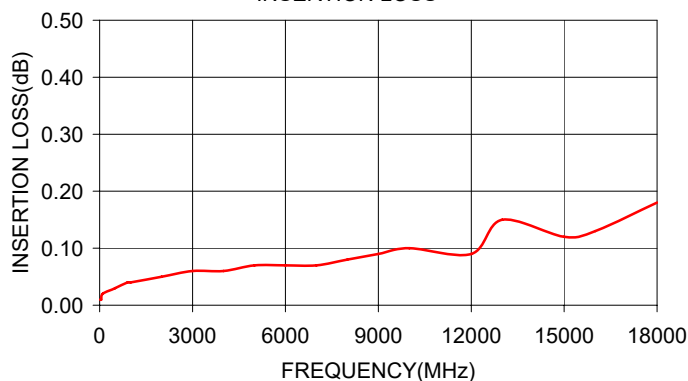
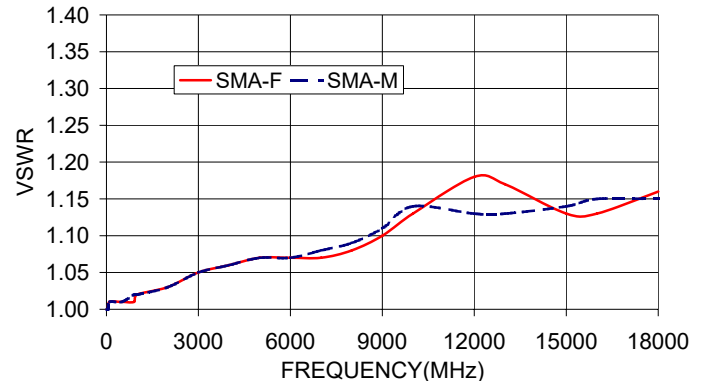
SF-MQK50+

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50Ω DC to 18 GHz SMA-Female to SMA-Male

TYPICAL PERFORMANCE DATA

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	
		SMA-F	SMA-M
10.00	0.01	1.00	1.00
50.00	0.01	1.00	1.00
100.00	0.02	1.01	1.01
500.00	0.03	1.01	1.01
900.00	0.04	1.01	1.02
1000.00	0.04	1.02	1.02
2000.00	0.05	1.03	1.03
3000.00	0.06	1.05	1.05
4000.00	0.06	1.06	1.06
5000.00	0.07	1.07	1.07
6000.00	0.07	1.07	1.07
7000.00	0.07	1.07	1.08
8000.00	0.08	1.08	1.09
9000.00	0.09	1.10	1.11
10000.00	0.10	1.13	1.14
12000.00	0.09	1.18	1.13
13000.00	0.15	1.17	1.13
15000.00	0.12	1.13	1.14
16000.00	0.13	1.13	1.15
18000.00	0.18	1.16	1.15

SF-MQK50
INSERTION LOSSSF-MQK50
VSWR

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/terms/viewterm.html



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