

# Coaxial SMA Fixed Attenuator

50Ω 1W 5dB DC to 12000 MHz

FW-5+



Generic photo used for illustration purposes only

CASE STYLE: FF704

Connectors	Model
SMA	FW-5+

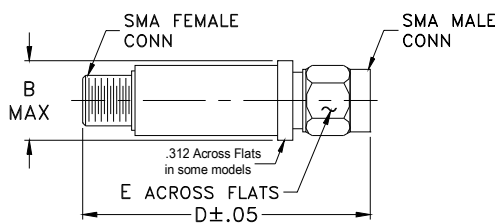
+RoHS Compliant

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

## Maximum Ratings

Operating Temperature -45°C to 100°C  
Storage Temperature -55°C to 100°C  
Permanent damage may occur if any of these limits are exceeded.

## Outline Drawing



## Outline Dimensions (inch/mm)

B	D	E	wt
.410	1.43	.312	grams
10.41	36.32	7.92	10.0

## Features

- wideband coverage, DC to 12000 MHz
- 1 watt rating
- rugged unibody construction
- off-the-shelf availability
- very low cost

## Applications

- impedance matching
- signal level adjustment

## Electrical Specifications at 25°C

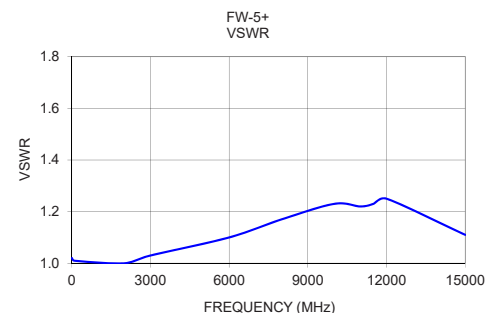
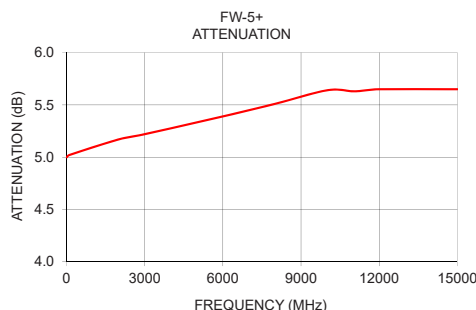
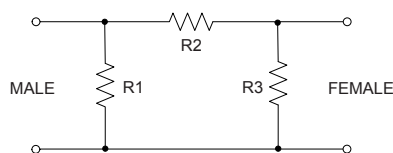
Parameter	Condition (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		DC	—	12000	MHz
Attenuation	10	—	5	—	dB
	DC - 3000	4.7	5.15	5.55	
	3000 - 8000	4.95	5.4	5.95	
	8000 - 12000	5.1	5.7	6.3	
VSWR	DC - 3000	—	1.05	1.20	:1
	3000 - 8000	—	1.15	1.35	
	8000 - 12000	—	1.30	—	
Input Power	DC - 12000	—	—	1.0	W

1. Flatness = variation over band divided by 2.

## Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
10.00	5.00	1.02
100.00	5.02	1.01
2000.00	5.17	1.00
3000.00	5.22	1.03
6000.00	5.39	1.10
8000.00	5.51	1.17
10000.00	5.64	1.23
11000.00	5.63	1.22
11500.00	5.64	1.23
12000.00	5.65	1.25
15000.00	5.65	1.11

## Electrical Schematic



## 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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