

Coaxial

# N-Type Fixed Attenuator

50Ω 1W 9dB DC to 6000 MHz

## UNAT-9+



Generic photo used for illustration purposes only

CASE STYLE: FF779

Connectors	Model
N-Type	UNAT-9+

**+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.

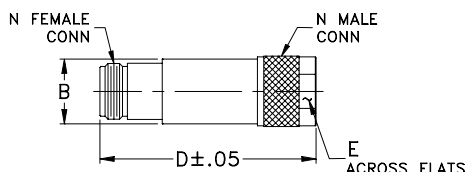
### Features

- wideband coverage, DC to 6000 MHz
- 1 watt rating
- rugged unibody construction
- off-the-shelf availability
- very low cost

### Applications

- impedance matching
- signal level adjustment

### Outline Drawing



### Outline Dimensions (inch/mm)

B	D	E	wt
.68	2.11	.718	grams
17.27	53.59	18.24	72.5

### Electrical Specifications

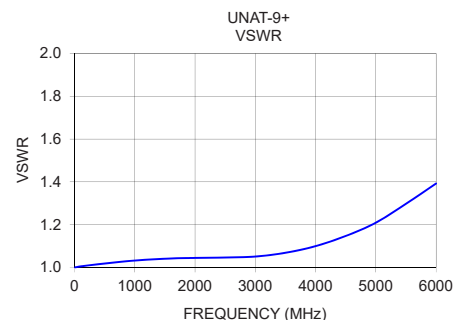
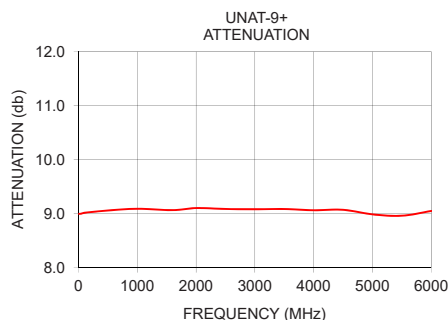
FREQ. RANGE (MHz)	ATTENUATION * (dB) Flatness **					VSWR (:1)					MAX. INPUT POWER (W)
	DC-3 GHz		3-4.5 GHz	4.5-6 GHz	DC-6 GHz	DC-3 GHz		3-4.5 GHz	4.5-6 GHz		
	Nom.	Typ.	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	Max.	Typ.	
DC-6000	9±0.3	0.15	0.10	0.10	0.15	1.05	1.20	1.10	1.43	1.50	1.0

\* Attenuation varies by 0.3 dB max. over temperature.

\*\* Flatness= variation over band divided by 2.

### Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
10	9.00	1.00
50	9.00	1.00
100	9.02	1.01
500	9.06	1.02
1000	9.09	1.03
1600	9.07	1.04
2000	9.11	1.05
2500	9.09	1.05
3000	9.09	1.05
3500	9.09	1.07
4000	9.07	1.10
4500	9.08	1.15
5000	8.99	1.21
5500	8.97	1.30
6000	9.05	1.39



### 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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