

Coaxial

# Fixed Attenuator

50Ω 1W 5dB DC to 2000 MHz

HAT-5+



CASE STYLE: FF747

Connectors Model  
BNC Male-BNC Female HAT-5+

**+RoHS Compliant**

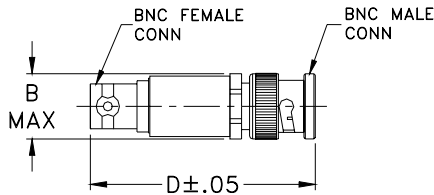
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

## 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	wt
	.62	1.94	grams
	15.75	49.28	30.0

## Features

- excellent VSWR, 1.05:1 typ.
- excellent flatness, 0.15 dB typ. to 2000 MHz
- usable to 4000 MHz

## Applications

- PCS
- instrumentation
- cellular

## Electrical Specifications

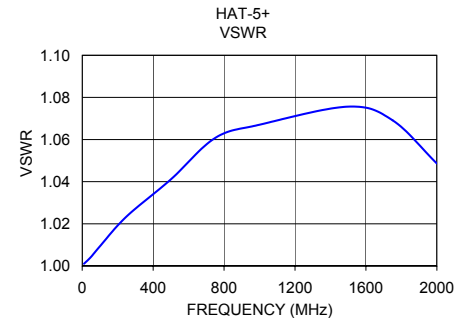
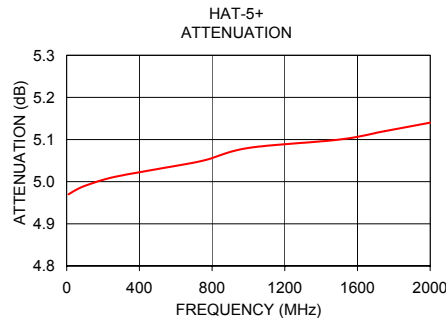
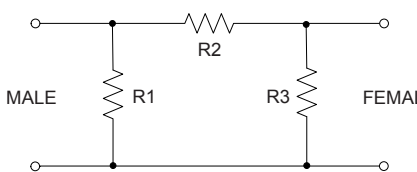
FREQ. RANGE (MHz)	ATTENUATION (dB)					VSWR (:1)			MAX. INPUT POWER (W)
	Flatness*					DC-0.5 GHz	DC-1 GHz	DC-2 GHz	
	DC-0.5 GHz	DC-1 GHz	DC-2 GHz	Total Band Typ.	Typ.				
$f_L-f_U$	Nom.	Typ.	Typ.	Typ.	Typ.	Typ.	Typ.	Typ.	
DC-2000	5±0.2	0.05	0.10	0.15	0.25	1.05	1.10	1.10	1.0

\* Flatness = variation over band divided by 2.

## Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
10.00	4.97	1.00
50.00	4.98	1.00
100.00	4.99	1.01
250.00	5.01	1.02
500.00	5.03	1.04
750.00	5.05	1.06
1000.00	5.08	1.07
1500.00	5.10	1.08
1750.00	5.12	1.07
2000.00	5.14	1.05

## Electrical Schematic



## Notes

- 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.
- 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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