Coaxial

Fixed Attenuator

HAT-20-75

75Ω 0.5W 20dB DC to 2000 MHz

CASE STYLE: FF747

Connectors	Model
BNC Male-BNC Female	HAT-20-75

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.

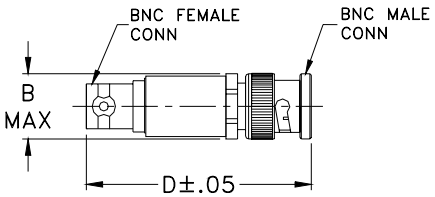
Features

- excellent VSWR, 1.04:1 typ.
- excellent flatness, 0.05 dB typ. to 2000 MHz
- usable to 4000 MHz
- rugged unibody construction

Applications

- cable tv
- instrumentation
- DS3 signal

Outline Drawing



Outline Dimensions (inch / mm)

B	D	wt
.62	1.94	grams
15.75	49.28	30.0

Electrical Specifications

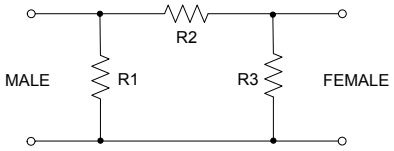
FREQ. RANGE (MHz)	ATTENUATION (dB) Flatness*							VSWR (:1)						MAX. INPUT POWER† (W)
		DC-0.5 GHz		DC-1 GHz		DC-2 GHz		DC-0.5 GHz		DC-1 GHz		DC-2 GHz		
f_L-f_U	Nom.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	
DC-2000	20±0.2	0.05	0.15	0.05	0.15	0.05	0.20	1.03	1.2	1.04	1.2	1.1	1.3	0.5

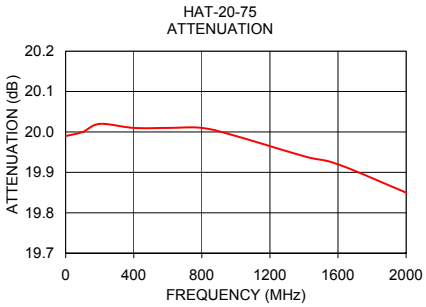
* Flatness = variation over band divided by 2.
† 0.5 Watt at 70°C ambient, derate linearly .015W/°C above 70°C

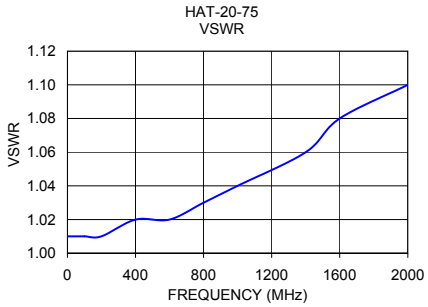
Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
1.00	19.99	1.01
100.00	20.00	1.01
200.00	20.02	1.01
400.00	20.01	1.02
600.00	20.01	1.02
800.00	20.01	1.03
1000.00	19.99	1.04
1400.00	19.94	1.06
1600.00	19.92	1.08
2000.00	19.85	1.10

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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