

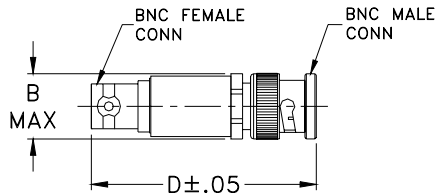
Coaxial Fixed Attenuator

75Ω 0.5W 6dB DC to 2000 MHz

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.	

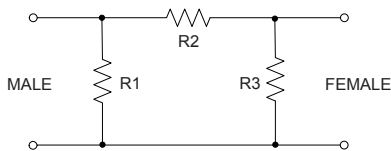
Outline Drawing



Outline Dimensions (inch/mm)

B	D	wt
.62	1.94	grams
15.75	49.28	30.0

Electrical Schematic



Features

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

Applications

- cable tv
- instrumentation
- DS3 signal

HAT-6-75+
HAT-6-75



CASE STYLE: FF747

Connectors	Model	Price	Qty.
BNC Male-BNC Female	HAT-6-75(+)	11.95 ea.	(1-9)

+RoHS Compliant

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

Electrical Specifications

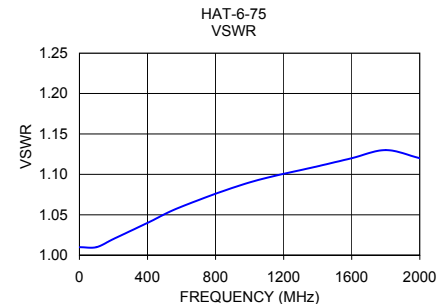
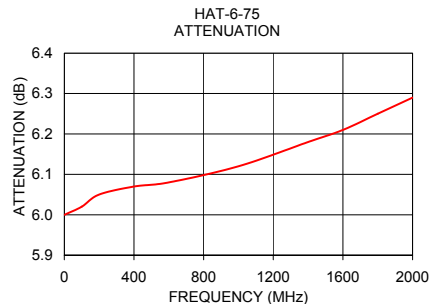
FREQ. RANGE (MHz)	ATTENUATION (dB) Flatness*							VSWR (:1)						MAX. INPUT POWER† (W)
	DC-0.5 GHz			DC-1 GHz		DC-2 GHz		DC-0.5 GHz		DC-1 GHz		DC-2 GHz		
	Nom.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	
f _c -f _u														
DC-2000	6±0.2	0.05	0.15	0.10	0.20	0.15	0.25	1.03	1.2	1.05	1.2	1.15	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	6.00	1.01
100	6.02	1.01
200	6.05	1.02
400	6.07	1.04
600	6.08	1.06
1000	6.12	1.09
1400	6.18	1.11
1600	6.21	1.12
1800	6.25	1.13
2000	6.29	1.12



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.
- 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/MCLStore/terms.jsp

Mini-Circuits®

www.minicircuits.com P.O. Box 35166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

REV. E
M98898
ED-9273/6
HAT-6-75
RVN/LC/CP/AM
140313