

Coaxial

Precision Fixed Attenuator

HAT-15-75+

75Ω 0.5W 15dB 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.



CASE STYLE: FF747

Connectors	Model	Price	Qty.
BNC Male-BNC Female	HAT-15-75+	11.95 ea.	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

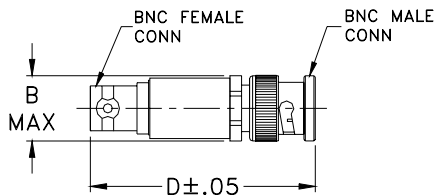
Features

- 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		
	Nom.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.		Max.		
f _L -f _U														
DC-2000	15±0.2	0.05	0.15	0.05	0.15	0.05	0.15	1.03	1.2	1.04	1.2	1.1	1.3	0.5

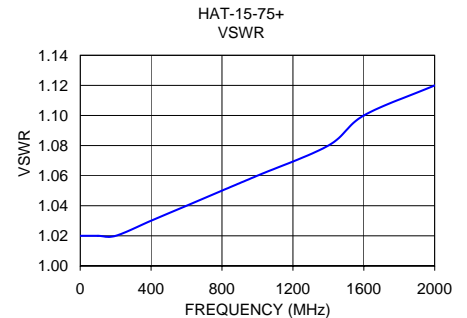
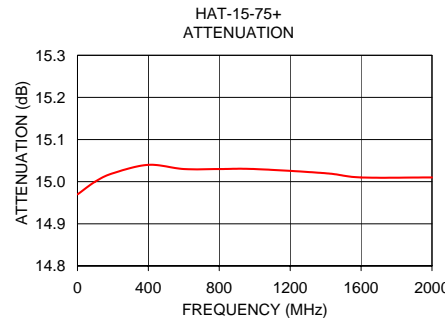
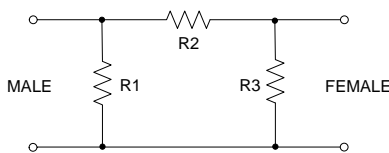
* Flatness = variation over band divided by 2.

† 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	14.97	1.02
100.00	15.00	1.02
200.00	15.02	1.02
400.00	15.04	1.03
600.00	15.03	1.04
800.00	15.03	1.05
1000.00	15.03	1.06
1400.00	15.02	1.08
1600.00	15.01	1.10
2000.00	15.01	1.12

Electrical Schematic



Mini-Circuits®
ISO 9001 ISO 14001 AS 9100 CERTIFIED

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

IF/RF MICROWAVE COMPONENTS

For detailed performance specs & shopping online see web site

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet 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.

REV. F
M113397
EDR-5087/1-15
HAT-15-75+
RVN/LC/CP/AM
090813