Coaxial

Fixed Attenuator

HAT-15-75+

75Ω 0.5W 15dB DC to 2000 MHz

CASE STYLE: FF747

Connectors	Model
BNC Male-BNC Female	HAT-15-75+

+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.

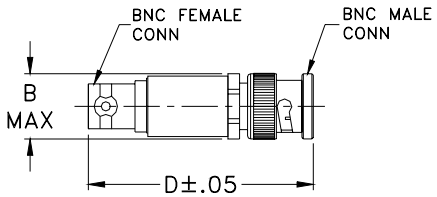
Features

- 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

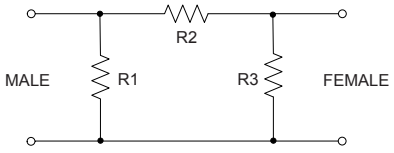
FREQ. RANGE (MHz)	ATTENUATION (dB) Flatness*							VSWR (:1)						MAX. INPUT POWER† (W)
		DC-0.5 GHz		DC-1 GHz		DC-2 GHz		DC-0.5 GHz		DC-1 GHz		DC-2 GHz		
f_L-f_U	Nom.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	
DC-2000	15±0.2	0.05	0.15	0.05	0.15	0.05	0.15	1.03	1.2	1.04	1.2	1.1	1.3	0.5

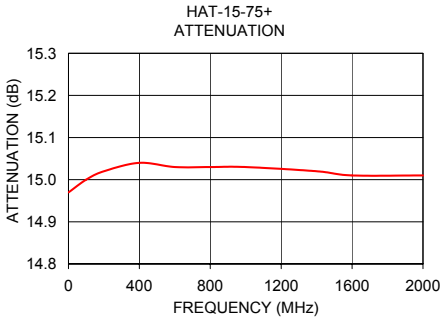
* Flatness = variation over band divided by 2.
† 0.5 Watt at 70°C ambient, derate linearly .015W/°C above 70°C

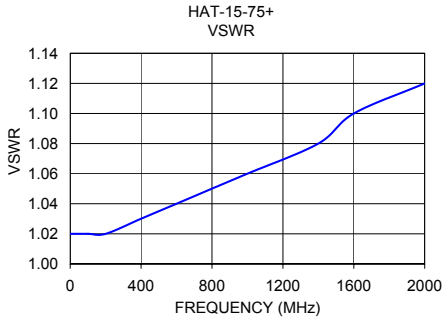
Typical Performance Data

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







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.
C. 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