

Coaxial Precision Fixed Attenuator

HAT-10-75+ HAT-10-75

75Ω 0.5W 10dB DC to 2000 MHz



Maximum Ratings

Operating Temperature	-45°C to 100°C
Storage Temperature	-55°C to 100°C

Features

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

CASE STYLE: FF747

Connectors	Model	Price	Qty.
BNC Male-BNC Female	HAT-10-75(+)	11.95 ea.	(1-9)

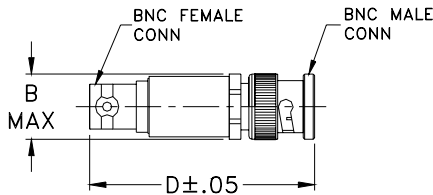
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

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)						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			
f_L-f_U	Nom.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	
DC-2000	10±0.2	0.05	0.15	0.05	0.20	0.05	0.20	1.03	1.2	1.04	1.2	1.1	1.3	0.5

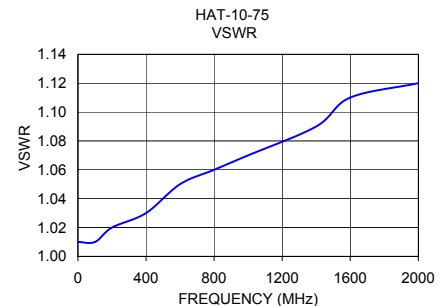
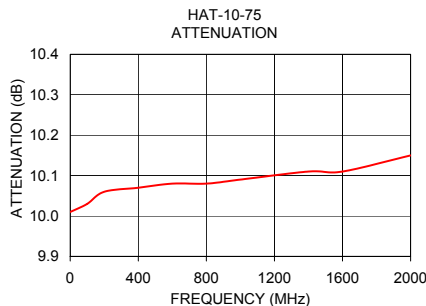
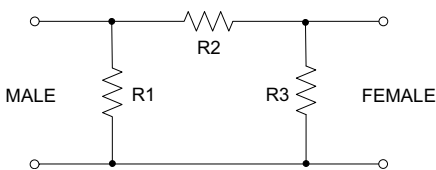
* Flatness = variation over band divided by 2.

† 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	10.01	1.01
100.00	10.03	1.01
200.00	10.06	1.02
400.00	10.07	1.03
600.00	10.08	1.05
800.00	10.08	1.06
1000.00	10.09	1.07
1400.00	10.11	1.09
1600.00	10.11	1.11
2000.00	10.15	1.12

Electrical Schematic



Mini-Circuits®
ISO 9001 ISO 14001 CERTIFIED

ALL NEW
minicircuits.com

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/IF MICROWAVE COMPONENTS

REV. E
M98898
EDR-5087/1-15
HAT-10-75
RVN/LC/CP/AM
070418