

Coaxial Precision Fixed Attenuator

HAT-6-75+ HAT-6-75

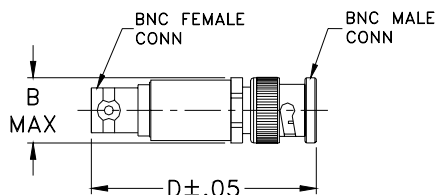
75Ω 0.5W 6dB DC to 2000 MHz

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.

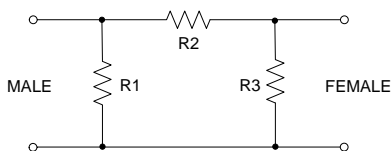
Outline Drawing



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



CASE STYLE: FF747

| Connectors | Model | Price | Qty. |
|---------------------|-------------|-----------|-------|
| BNC Male-BNC Female | HAT-6-75(+) | 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.

Electrical Specifications

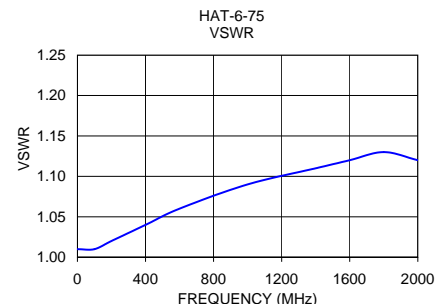
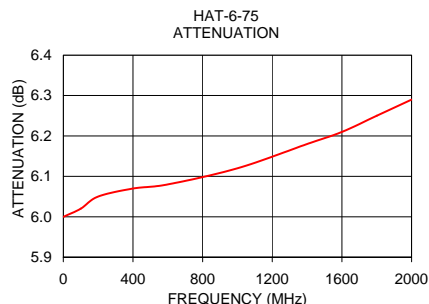
| FREQ. RANGE (MHz) | ATTENUATION (dB) Flatness* | | | | | | VSWR (:1) | | | | MAX. INPUT POWER† (W) | | | |
|--------------------------------|----------------------------|------|----------|------|----------|------|------------|------|----------|------|-----------------------|----------|-----|-----|
| | 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 _H | | | | | | | | | | | | | | |
| 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 |



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ISO 9001 ISO 14001 AS 9100 CERTIFIED

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IF/RF MICROWAVE COMPONENTS

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.

For detailed performance specs & shopping online see web site

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