

Coaxial Fixed Attenuator

50Ω 1W 6dB DC to 2000 MHz

HAT-6+



Generic photo used for illustration purposes only

CASE STYLE: FF747

Connectors Model
BNC Male-BNC Female HAT-6+

+RoHS Compliant

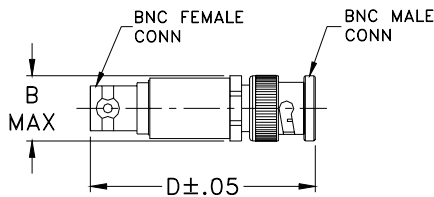
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

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.

Outline Drawing



Outline Dimensions (inch/mm)

| | B | D | wt |
|--|-------|-------|-------|
| | .62 | 1.94 | grams |
| | 15.75 | 49.28 | 30.0 |

Features

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

Applications

- PCS
- instrumentation
- cellular

Electrical Specifications

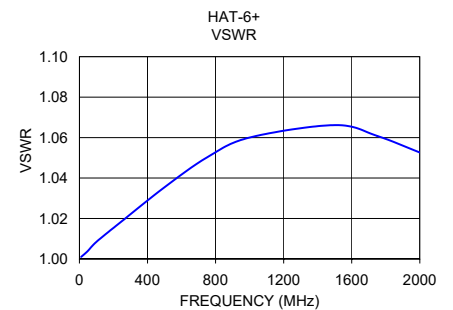
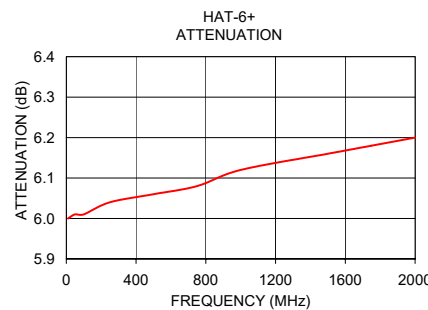
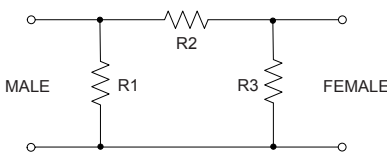
| FREQ. RANGE (MHz) | ATTENUATION (dB) | | | | | VSWR (:1) | | | MAX. INPUT POWER (W) |
|-------------------|------------------|----------|----------|-----------------|------|------------|----------|----------|----------------------|
| | Flatness* | | | | | DC-0.5 GHz | DC-1 GHz | DC-2 GHz | |
| | DC-0.5 GHz | DC-1 GHz | DC-2 GHz | Total Band Typ. | Typ. | | | | |
| f_L - f_U | Nom. | Typ. | Typ. | Typ. | Typ. | Typ. | Typ. | Typ. | |
| DC-2000 | 6±0.2 | 0.05 | 0.10 | 0.15 | 0.25 | 1.05 | 1.10 | 1.10 | 1.0 |

* Flatness = variation over band divided by 2.

Typical Performance Data

| Frequency (MHz) | Attenuation (dB) | VSWR (:1) |
|-----------------|------------------|-----------|
| 10.00 | 6.00 | 1.00 |
| 50.00 | 6.01 | 1.00 |
| 100.00 | 6.01 | 1.01 |
| 250.00 | 6.04 | 1.02 |
| 500.00 | 6.06 | 1.04 |
| 750.00 | 6.08 | 1.05 |
| 1000.00 | 6.12 | 1.06 |
| 1500.00 | 6.16 | 1.07 |
| 1750.00 | 6.18 | 1.06 |
| 2000.00 | 6.20 | 1.05 |

Electrical Schematic



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

