

# Attenuator Fixed

50Ω 200 to 2500 MHz

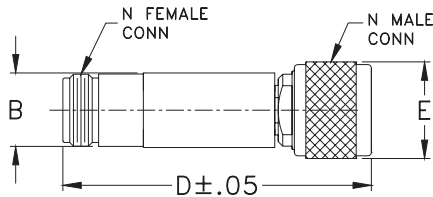
## Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

Permanent damage may occur if any of these limits are exceeded.

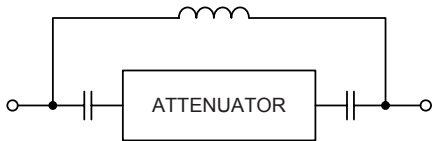
## Outline Drawing



## Outline Dimensions (inch/mm)

| B     | D     | E     | wt    |
|-------|-------|-------|-------|
| .67   | 2.90  | .82   | grams |
| 17.02 | 73.66 | 20.83 | 90.0  |

## Electrical Schematic



## Features

- high DC current handling
- high DC breakdown voltage
- DC resistance (in/out) 0.1Ω, typ.

## Applications

- power passing
- instrumentation
- test equipment
- lab use



CASE STYLE: FF57

Connectors Model

N-Type NAT-10DC+

## +RoHS Compliant

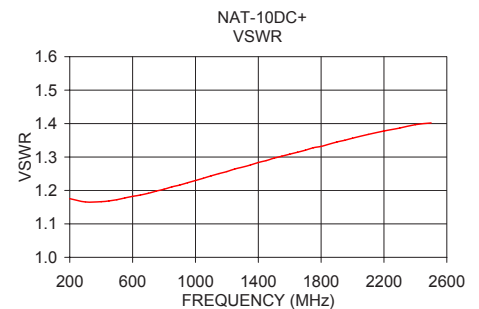
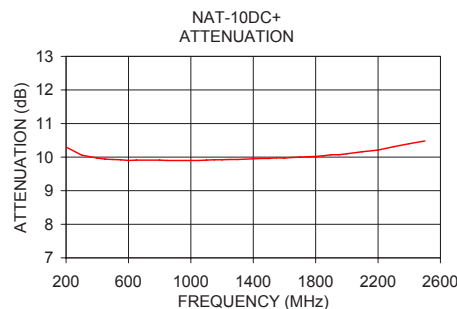
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

## Electrical Specifications (T<sub>AMB</sub> = 25°C)

| FREQUENCY (MHz) | ATTENUATION (dB) |                | VSWR (:1) | POWER (mW) | DC CURRENT (Amps) | DC BREAKDOWN (Volts) |
|-----------------|------------------|----------------|-----------|------------|-------------------|----------------------|
|                 | Nom.             | Flatness, Max. | Max.      | Max.       | Max.              | Max.                 |
| 200 - 2500      | 10 ± 0.3         | ± 1.0          | 1.60      | 600        | 4                 | 125                  |

## Typical Performance Data at 25°C

| Frequency (MHz) | Attenuation (dB) | VSWR (:1) |
|-----------------|------------------|-----------|
| 200.00          | 10.30            | 1.18      |
| 300.00          | 10.06            | 1.17      |
| 400.00          | 9.97             | 1.17      |
| 500.00          | 9.93             | 1.17      |
| 600.00          | 9.90             | 1.18      |
| 700.00          | 9.91             | 1.19      |
| 800.00          | 9.91             | 1.20      |
| 900.00          | 9.90             | 1.22      |
| 1000.00         | 9.90             | 1.23      |
| 1200.00         | 9.92             | 1.26      |
| 1300.00         | 9.93             | 1.27      |
| 1400.00         | 9.95             | 1.28      |
| 1500.00         | 9.96             | 1.30      |
| 1600.00         | 9.97             | 1.31      |
| 1700.00         | 10.00            | 1.32      |
| 1800.00         | 10.02            | 1.33      |
| 2000.00         | 10.10            | 1.36      |
| 2100.00         | 10.16            | 1.37      |
| 2300.00         | 10.31            | 1.39      |
| 2500.00         | 10.48            | 1.40      |



## 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.  
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