

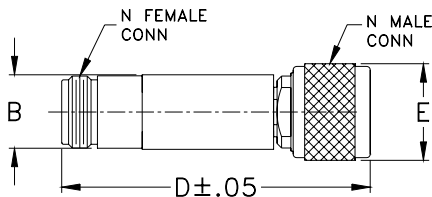
# DC Passing Attenuator Fixed

50Ω 650 to 4000 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. |                |

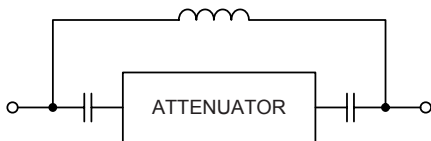
## Outline Drawing



## 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

# NAT-15DC-1A+



CASE STYLE: FF57

| Connectors | Model        |
|------------|--------------|
| N-Type     | NAT-15DC-1A+ |

**+RoHS Compliant**

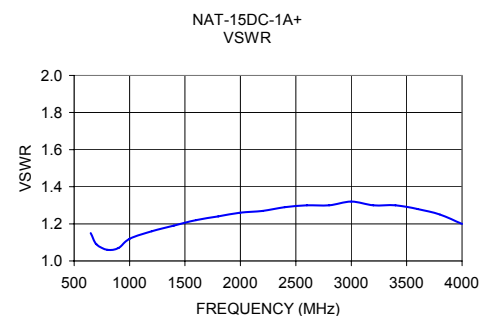
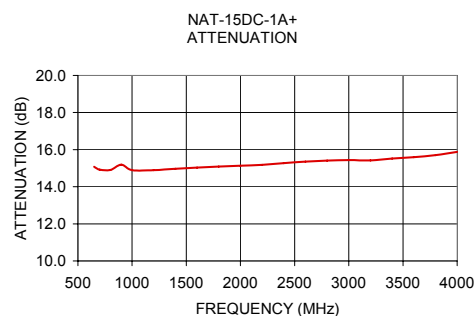
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

## 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.                 |
| 650-4000        | 15±0.7           | ±0.8           | 1.7       | 1000       | 1                 | 50                   |

## Typical Performance Data at 25°C

| Frequency (MHz) | Attenuation (dB) | VSWR (:1) |
|-----------------|------------------|-----------|
| 650.00          | 15.08            | 1.15      |
| 700.00          | 14.92            | 1.09      |
| 800.00          | 14.90            | 1.06      |
| 900.00          | 15.19            | 1.07      |
| 1000.00         | 14.89            | 1.12      |
| 1200.00         | 14.89            | 1.16      |
| 1400.00         | 14.97            | 1.19      |
| 1600.00         | 15.03            | 1.22      |
| 1800.00         | 15.09            | 1.24      |
| 2000.00         | 15.13            | 1.26      |
| 2200.00         | 15.18            | 1.27      |
| 2400.00         | 15.27            | 1.29      |
| 2600.00         | 15.35            | 1.30      |
| 2800.00         | 15.41            | 1.30      |
| 3000.00         | 15.44            | 1.32      |
| 3200.00         | 15.42            | 1.30      |
| 3400.00         | 15.52            | 1.30      |
| 3600.00         | 15.59            | 1.28      |
| 3800.00         | 15.70            | 1.25      |
| 4000.00         | 15.88            | 1.20      |



## 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.
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NAT-15DC-1A+  
ED-12833/1  
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