

Attenuator Fixed

50Ω 200 to 2500 MHz

NAT-3DC+



Maximum Ratings

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

Features

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

| | | | |
|------------------|----------|-------------|-------|
| CASE STYLE: FF57 | | | |
| Connectors | Model | Price | Qty. |
| N-Type | NAT-3DC+ | \$19.95 ea. | (1-9) |

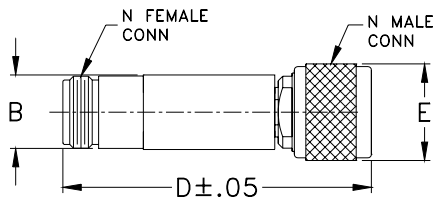
Applications

- power passing
- instrumentation
- test equipment
- lab use

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

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Outline Drawing



Electrical Specifications (T_{AMB} = 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 | 3± 0.5 | ± 0.8 | 1.25 | 500 | 1 | 60 |

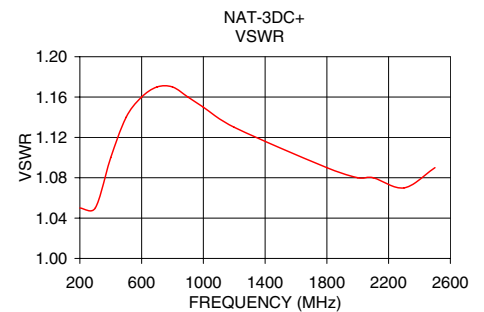
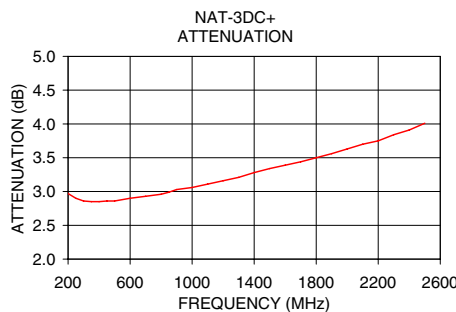
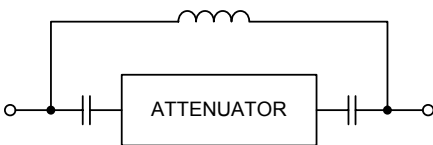
Outline Dimensions (inch/mm)

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

Typical Performance Data at 25°C

| Frequency (MHz) | Attenuation (dB) | VSWR (:1) |
|-----------------|------------------|-----------|
| 200.00 | 2.97 | 1.05 |
| 300.00 | 2.86 | 1.01 |
| 400.00 | 2.85 | 1.04 |
| 500.00 | 2.86 | 1.07 |
| 600.00 | 2.90 | 1.10 |
| 700.00 | 2.93 | 1.12 |
| 800.00 | 2.96 | 1.14 |
| 900.00 | 3.03 | 1.16 |
| 1000.00 | 3.06 | 1.17 |
| 1200.00 | 3.16 | 1.19 |
| 1300.00 | 3.21 | 1.20 |
| 1400.00 | 3.28 | 1.20 |
| 1500.00 | 3.34 | 1.20 |
| 1600.00 | 3.39 | 1.20 |
| 1700.00 | 3.44 | 1.19 |
| 1800.00 | 3.50 | 1.18 |
| 2000.00 | 3.63 | 1.15 |
| 2100.00 | 3.70 | 1.13 |
| 2300.00 | 3.84 | 1.09 |
| 2500.00 | 4.01 | 1.05 |

Electrical Schematic



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. OR
M95013
NAT-3DC+
ED-11883/1
HY/RAV
070326