

# DC Passing Attenuator Fixed

## NAT-3DC-2A+

50Ω 1000 to 3500 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.



CASE STYLE: FF57

Connectors	Model	Price	Qty.
N-Type	NAT-3DC-2A+	\$20.95 ea.	(1-9)

+ 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.

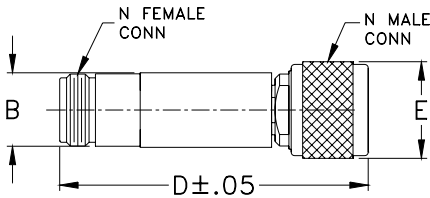
### Features

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

### Applications

- power passing
- instrumentation
- test equipment
- lab use

### Outline Drawing



### Outline Dimensions (inch/mm)

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

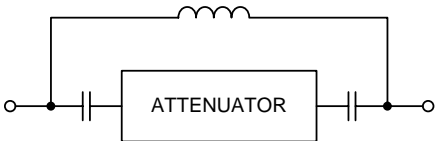
### Electrical Specifications (T<sub>AMB</sub> = 25°C)

FREQUENCY (MHz)	ATTENUATION (dB)		VSWR (:1)	POWER (mW)	DC CURRENT (Amps)	DC BREAKDOWN (Volts)
	Nom.	Flatness, Max.	Max.	Max.	Max.	Max.
1000-3500	3±0.5	±0.8	1.7	1000	2	50

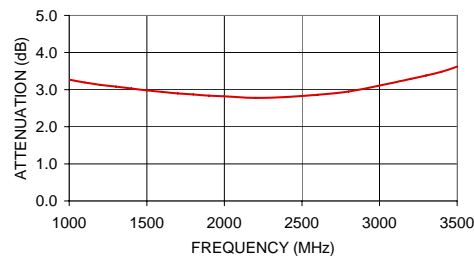
### Typical Performance Data at 25°C

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
1000.00	3.27	1.46
1100.00	3.19	1.33
1200.00	3.13	1.23
1300.00	3.08	1.15
1400.00	3.03	1.10
1500.00	2.98	1.08
1600.00	2.94	1.10
1700.00	2.90	1.12
1800.00	2.87	1.14
1900.00	2.84	1.15
2000.00	2.82	1.16
2200.00	2.78	1.16
2400.00	2.80	1.12
2600.00	2.86	1.07
2800.00	2.95	1.02
3000.00	3.11	1.07
3200.00	3.29	1.16
3300.00	3.38	1.21
3400.00	3.48	1.27
3500.00	3.62	1.34

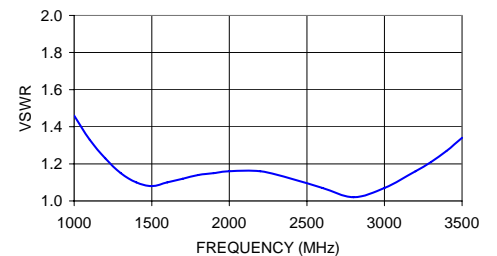
### Electrical Schematic



NAT-3DC-2A+ ATTENUATION



NAT-3DC-2A+ VSWR



**Mini-Circuits®**  
ISO 9001 ISO 14001 AS 9100 CERTIFIED

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at [minicircuits.com](http://minicircuits.com)

IF/RF MICROWAVE COMPONENTS

For detailed performance specs & shopping online see web site

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](http://www.minicircuits.com/MCLStore/terms.jsp).

REV. OR  
M109697  
NAT-3DC-2A+  
ED-12785/1  
WZ/CP  
070316