



Mini-Circuits

DC PASSING

Fixed Attenuator

NAT-6DC-1A+

50Ω 6 dB 600 to 4000 MHz N-Female to N-Male

FEATURES

- High DC Current Handling
- High DC Breakdown Voltage
- DC Resistance (In/Out) 0.1Ω, Typ.

APPLICATIONS

- Power Passing
- Instrumentation
- Test Equipment
- Lab Use



Generic photo used for illustration purposes only

Model No.	NAT-6DC-1A+
Case Style	FF57
Connectors	N-Female to N-Male

+RoHS Compliant

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

ELECTRICAL SPECIFICATIONS AT +25°C

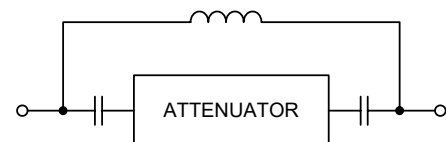
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	600		4000	MHz
Attenuation, Nominal		6±0.7		dB
Attenuation, Flatness			±0.8	dB
VSWR			1.7	:1
Power			1000	mW
DC Current			1	Amps
DC Breakdown			+50	V

ABSOLUTE MAXIMUM RATINGS

Parameter	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.

ELECTRICAL SCHEMATIC



REV. B
ECO-024533
NAT-6DC-1A+
MCL NY
250214





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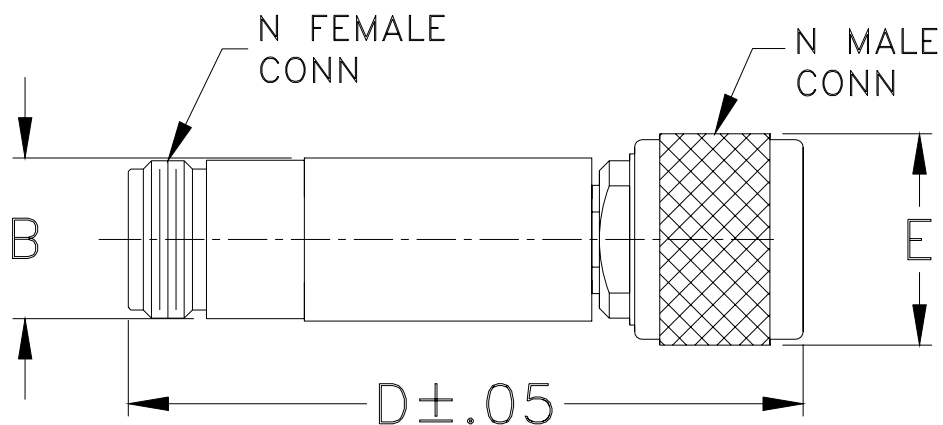
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OUTLINE DRAWING



OUTLINE DIMENSIONS (Inch mm)

B	D	E	wt
.70	2.90	.82	grams
17.78	73.66	20.83	90.0



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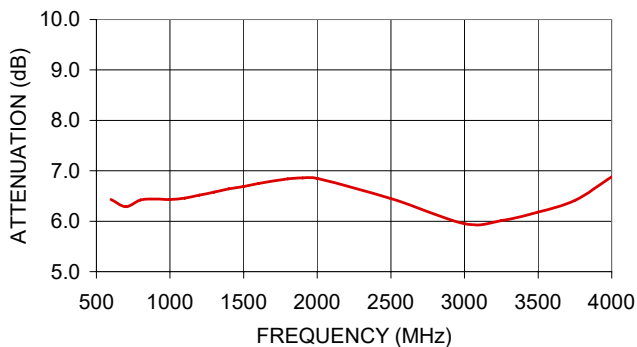
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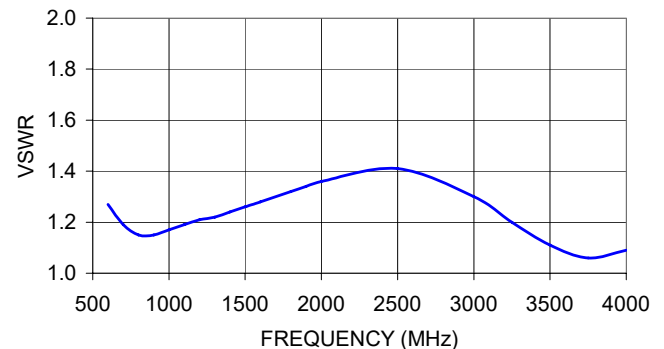
TYPICAL PERFORMANCE DATA AND CHARTS

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
600.00	6.43	1.27
700.00	6.29	1.19
800.00	6.42	1.15
900.00	6.44	1.15
1000.00	6.43	1.17
1100.00	6.46	1.19
1200.00	6.52	1.21
1300.00	6.58	1.22
1400.00	6.64	1.24
1500.00	6.69	1.26
1600.00	6.75	1.28
1800.00	6.84	1.32
1900.00	6.86	1.34
2000.00	6.85	1.36
2500.00	6.45	1.41
3000.00	5.95	1.30
3250.00	6.01	1.20
3500.00	6.18	1.11
3750.00	6.41	1.06
4000.00	6.88	1.09

NAT-6DC-1A+
ATTENUATION



NAT-6DC-1A+
VSWR



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-Circuits' 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/terms/viewterm.html

