



Mini-Circuits

DC PASSING

Fixed Attenuator

NAT-15DC-1A+

50Ω 15 dB 650 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-15DC-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

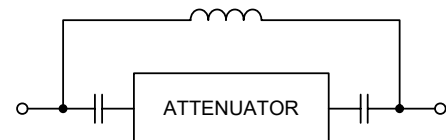
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	650		4000	MHz
Attenuation, Nominal		15±0.7		dB
Attenuation, Flatness			±0.8	dB
VSWR			1.7	:1
Power			1000	mW
DC Current			1	Amps
DC Breakdown			+50	V

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-15DC-1A+
MCL NY
250214





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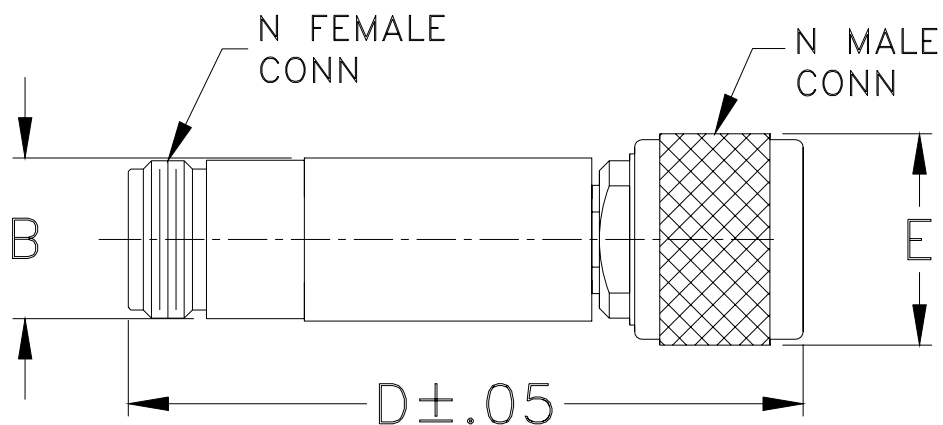
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OUTLINE DRAWING



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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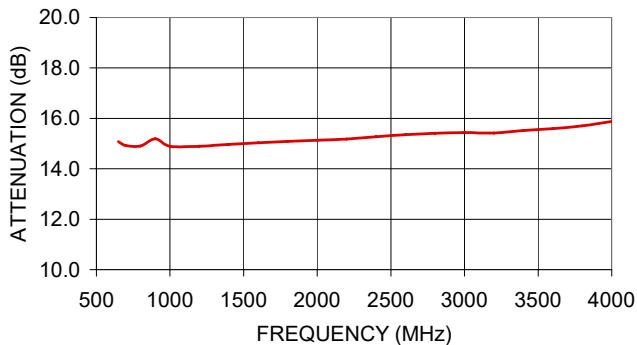
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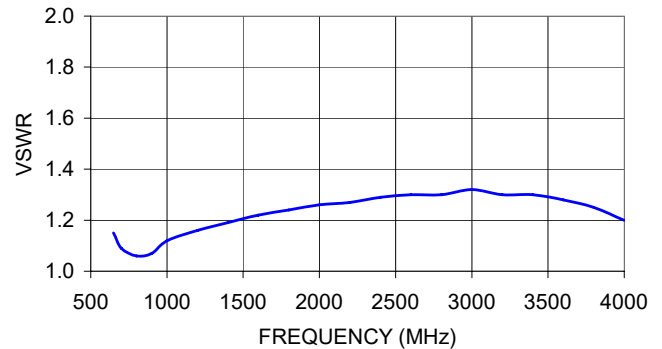
TYPICAL PERFORMANCE DATA AND CHARTS

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
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

NAT-15DC-1A+
ATTENUATION



NAT-15DC-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

