



Mini-Circuits®

MINIATURE SURFACE MOUNT

Fixed Attenuator

LAT-7+

50Ω 0.5 W 7 dB DC to 2.5 GHz

FEATURES

- Wideband, DC to 2.5 GHz
- Excellent VSWR Through Entire Band
- Miniature Size, SOT143 Package
- Aqueous Washable

APPLICATIONS

- Cellular
- PCS
- ISM
- VHF/UHF



Generic photo used for illustration purposes only

CASE STYLE: MMM168

+RoHS Compliant

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

ELECTRICAL SPECIFICATIONS AT +25°C

Parameter	Condition (GHz)	Min.	Typ.	Max.	Unit
Frequency Range		DC		2.5	GHz
Attenuation, Nominal			7±0.3		dB
Attenuation, Flatness ¹	DC - 0.5			0.3	dB
	DC - 1			0.4	
	DC - 2.5			0.7	
VSWR	DC - 0.5			1.3	:1
	DC - 1			1.4	
	DC - 2.5			1.5	
Input Power ²				0.5	W

1. Flatness = variation over band divided by 2.

2. RF power at +25°C case temperature: ½ Watt. Derate linearly to 0.2 Watt at +85°C.

ABSOLUTE MAXIMUM RATINGS

Parameter	Ratings
Operating Temperature	-55°C to +85°C
Storage Temperature	-55°C to +100°C

Permanent damage may occur if any of these limits are exceeded.

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ECO-024218
LAT-7+
MCL NY
250113





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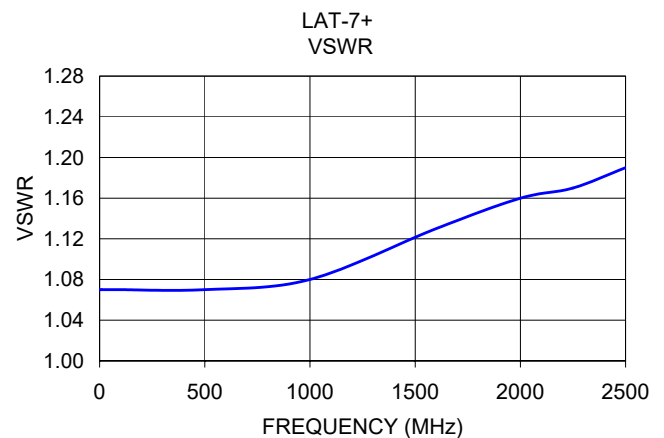
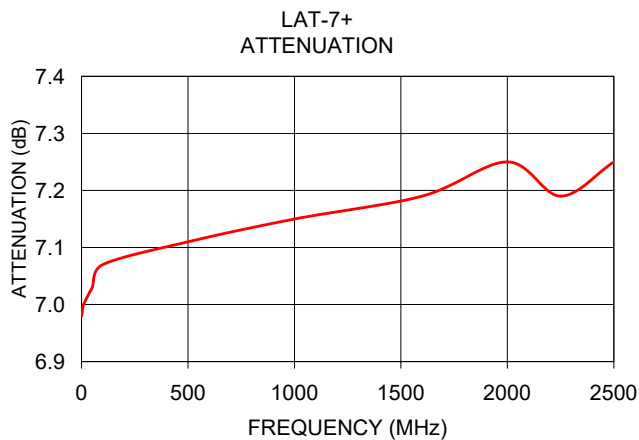
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TYPICAL PERFORMANCE DATA AND CHARTS

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
1.00	6.98	1.07
10.00	7.00	1.07
50.00	7.03	1.07
100.00	7.07	1.07
500.00	7.11	1.07
1000.00	7.15	1.08
1600.00	7.19	1.13
2000.00	7.25	1.16
2250.00	7.19	1.17
2500.00	7.25	1.19



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

