

# Miniature Surface Mount Fixed Attenuator

## LAT-2+ LAT-2

50Ω 0.5W 2dB DC to 2500 MHz



### Maximum Ratings

Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C

### Pin Connections

INPUT	4
OUTPUT	2
GROUND	1,3

### Features

- wideband, DC to 2500 MHz
- excellent VSWR, through entire band
- miniature size, SOT143 package
- aqueous washable

CASE STYLE: MMM168  
PRICE: \$1.95 ea. QTY (10-49)

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

*The +Suffix identifies RoHS Compliance. See our web site  
for RoHS Compliance methodologies and qualifications.*

### Applications

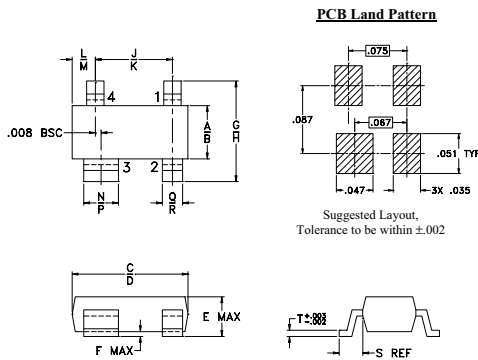
- cellular
- PCS
- ISM
- VHF/UHF

### Electrical Specifications at 25°C

FREQ. RANGE (MHz)	ATTENUATION (dB) Flatness, Max.			VSWR (:1) Max.			MAX. INPUT POWER <sup>1</sup> (W)	
	DC-0.5 GHz	DC-1 GHz	DC-2.5 GHz	DC-0.5 GHz	DC-1 GHz	DC-2.5 GHz		
$f_L$ - $f_U$	Norm.							
DC-2500	2±0.3	0.3	0.4	0.7	1.2	1.3	1.5	0.5

1. RF power at 25°C case temperature: ½Watt. Derate linearly to 0.2 Watt at 85°C.
2. Flatness= variation over band divided by 2

### Outline Drawing

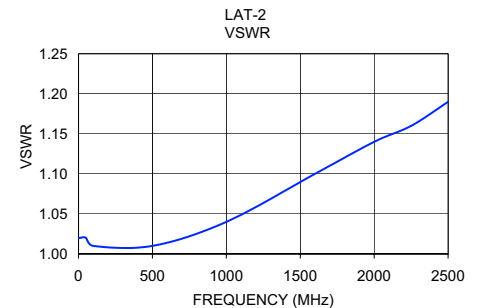
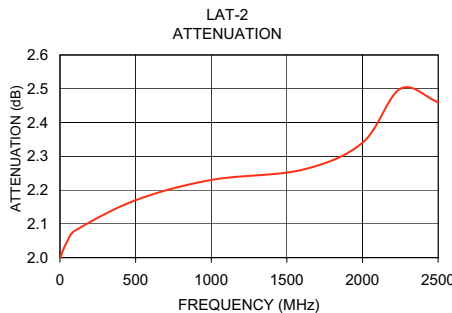


### Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	K
.045	.055	.105	.120	.047	.005	.083	.104	.070	.080
1.14	1.40	2.67	3.05	1.19	0.13	2.11	2.64	1.78	2.03
L	M	N	P	Q	R	S	T	wt	
.018	.24	.030	.036	.015	.021	.023	.005	grams	
0.46	6.10	0.76	0.91	0.38	0.53	0.58	0.13	0.01	

### Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
1.00	1.99	1.02
10.00	2.01	1.02
50.00	2.05	1.02
100.00	2.08	1.01
500.00	2.17	1.01
1000.00	2.23	1.04
1600.00	2.26	1.10
2000.00	2.34	1.14
2250.00	2.50	1.16
2500.00	2.46	1.19



designers kit available

Kit No.	No. of Units in Kit	Description	Price \$ per Kit
K1-LAT	36	4 of ea. LAT-3(+), 6(+), 10(+), 15(+), 20(+) 2 of ea. LAT-1(+), 2(+), 4(+), 5(+), 7(+), 8(+), 9(+), 12(+)	59.95



INTERNET <http://www.minicircuits.com>

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