

# Miniature Surface Mount Fixed Attenuator

50Ω 0.5W 15dB DC to 2500 MHz

**LAT-15+**  
**LAT-15**



## 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

## Applications

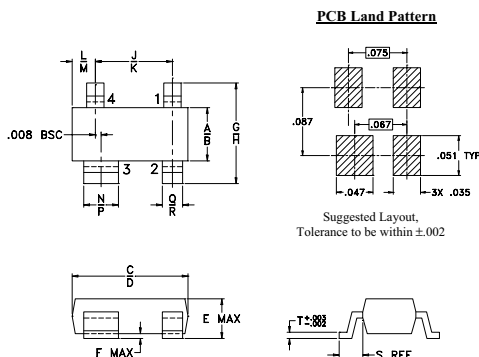
- cellular
- PCS
- ISM
- VHF/UHF

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.

## Outline Drawing



## Outline Dimensions (inch)

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	

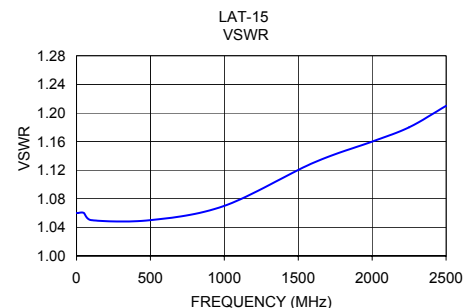
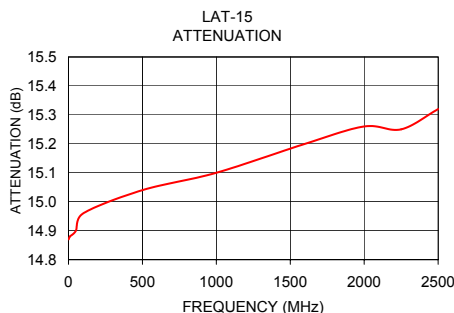
## Electrical Specifications at 25°C

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 <sub>L</sub> -f <sub>U</sub>	Nom.							
DC-2500	15±0.8	0.3	0.5	0.9	1.3	1.4	1.6	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

## Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
1.00	14.87	1.06
10.00	14.88	1.06
50.00	14.90	1.06
100.00	14.96	1.05
500.00	15.04	1.05
1000.00	15.10	1.07
1600.00	15.20	1.13
2000.00	15.26	1.16
2250.00	15.25	1.18
2500.00	15.32	1.21



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

**Mini-Circuits®**

Distribution Centers NORTH AMERICA 800-654-7949 • 417-335-5935 • Fax 417-335-5945 • EUROPE 44-1252-832600 • Fax 44-1252-837010

Mini-Circuits ISO 9001 & ISO 14001 Certified

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



REV. D  
M104321  
LAT-15  
060828