Miniature Surface Mount **Fixed Attenuator**

DC to 2500 MHz **50**Ω 0.5W 20dB

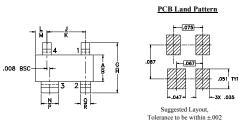
Maximum Ratings

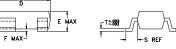
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Permanent damage may occur if any	of these limits are exceeded.

Pin Connections

INPUT	4
OUTPUT	2
GROUND	1,3

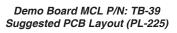
Outline Drawing

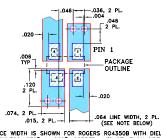


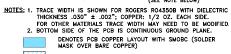


Outline Dimensions (inch)

Α	В	С	D	E	F	G	н	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	Т		wt
_	M .024		-	_		-		(wt grams
.018		.030	.036	.015	.021	.023	.005	9	







DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK

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

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



Electrical Specifications at 25°C

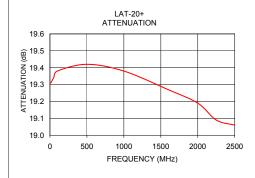
FREQ. RANGE (MHz)	ATTENUATION (dB) Flatness, Max.			VSWR (:1) Max.			MAX. INPUT POWER ¹	
		DC-0.5	DC-1	DC-2.5	DC-0.5	DC-1	DC-2.5	(W)
f _{L-} -f _U	Nom.	GHz	GHz	GHz	GHz	GHz	GHz	
DC-2500	20±1.5	0.3	0.5	0.9	1.3	1.4	1.6	0.5

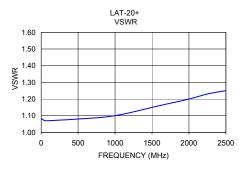
1. RF power at 25°C case temperature: 1/2Watt. Derate linearly to 0.2 Watt at 85°C.

2. Flatness= variation over band divided by 2

Typical Performance Data

Frequency	Attenuation	VSWR		
(MHz)	(dB)	(:1)		
1.00	19.31	1.08		
10.00	19.31	1.08		
50.00	19.34	1.07		
100.00	19.38	1.07		
500.00	19.42	1.08		
1000.00	19.38	1.10		
1600.00	19.27	1.16		
2000.00	19.19	1.20		
2250.00	19.09	1.23		
2500.00	19.06	1.25		





Notes A 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. B. Electrical specifications and performance data contained in this specification document are based on Nini-Circuit's applicable established test performance criteria and measurement instructions. C. The parts covered by this specification document are subject to Mini-Circuit 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 tables contained therein.

Mini-Circuits

www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com