Fixed Attenuator

PAT-20+

DC to 7000 MHz 50Ω **1W** 20dB

Generic photo used for illustration purposes only

Maximum 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.

Pin Connections

INPUT	1_
OUTPUT	3
GROUND	2.4

Features

• wideband, DC to 7000 MHz

· impedance match improvement

- excellent VSWR, through entire band
- miniature size
- · aqueous washable

Applications

• power leveling

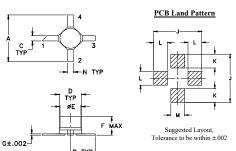
CASE STYLE: AF320

+RoHS Compliant

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



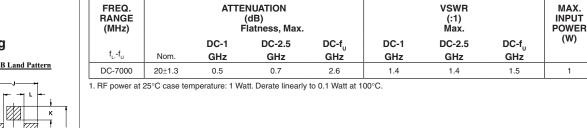
INPUT	1_
OUTPUT	3
GROUND	2,4



Outline Dimensions (inch)

Α	В	С	D	Е	F	G
.200	.100	.020	.070	.068	.057	.005
5.08	2.54	0.51	1.78	1.73	1.45	0.13
Н	J	K	L	М	N	wt
H 	J .230	K .065	L .060	M .080		wt grams

Outline Drawing

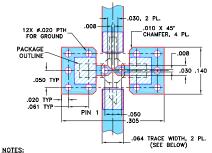


Typical Performance Data

Electrical Specifications at 25°C

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
50.00	19.05	1.12
796.25	19.07	1.15
1542.50	19.16	1.19
2288.75	19.33	1.21
3035.00	19.58	1.20
3781.25	19.63	1.19
4527.50	19.83	1.16
5273.75	20.10	1.15
6020.00	20.53	1.18
7015.00	21.06	1.25
7015.00	21.06	1.25

Demo Board MCL P/N: TB-319 Suggested PCB Layout (PL-208)

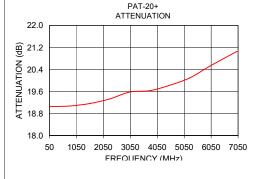


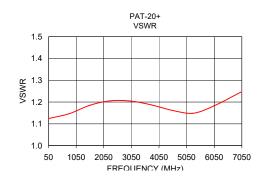
- NULES:

 1. TRACE WIDTH IS SHOWN FOR ROGERS RO4350B WITH DIELECTRIC
 THICKNESS .030" ± .002"; COPPER: 1/2 07. EACH SIDE.
 FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED.

 2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.

 DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK
 OVER BARE COPPER)
- DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK





- 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 Mini-Circuit's applicable established test performance criteria and measurement instructions.

 C. 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/WCLStore/terms.jsp

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