Ceramic **Low Pass Filter**

50O

DC to 1500 MHz

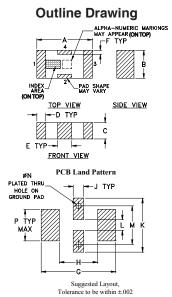
Maximum Ratings

0				
Operating Temperature	-55°C to 100°C			
Storage Temperature	-55°C to 100°C			
RF Power Input*	10W max. at 25°C			
Max. DC Voltage at pins 1&3	25 VDC			
DC Current Input to Output	0.5A max. at 25°C			
* Passband rating, derate linearly to 3.5W at 100°C ambient. Permanent damage may occur if any of these limits are exceeded.				

Pin Connections

RF IN	
RF OUT	
GROUND	

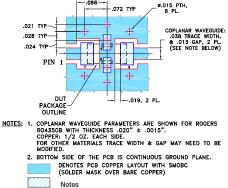
Product Marking: EJ



Outline Dimensions (inch)

	、 /						
	G	F	E	D	С	В	Α
	.169	.009	.032	.020	.037	.063	.126
	4.29	0.23	0.81	0.51	0.94	1.60	3.20
wt	P	N	M	L	K	J	Н
grams	.071	.012	.087	.024	.122	.024	.087
.020	1.80	0.30	2.21	0.61	3.10	0.61	2.21

Demo Board MCL P/N: TB-270 Suggested PCB Layout (PL-137)



Features

- excellent power handling, 10W
- small size
- 7 sections
- temperature stable
- LTCC construction
- protected by U.S Patent 6,943,646

Applications

harmonic rejection

- VHF/UHF transmitters/receivers
- lab use

1

3

2,4



CASE STYLE: FV1206

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

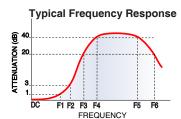


Electrical Specifications^{1,2} at 25°C

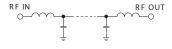
Unit dB dB
dB
uD
:1
dB
dB
dB
:1

(1) DC Resistance to ground is 100 Mohms min.

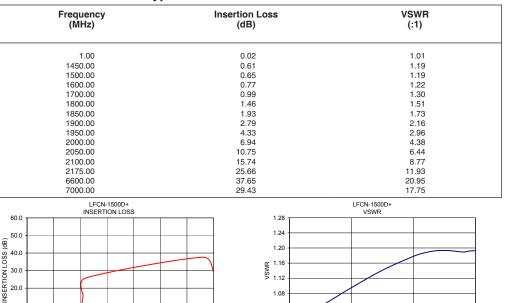
(2) Measured on Mini-Circuits Characterization Test Board TB-270.



Electrical Schematic



Typical Performance Data at 25°C



1.08

1.04 1.00

0

500

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 Min-Circuit's applicable established test performance criteria and measurement instructions. G. The parts covered by this specification document are subject to Mini-Circuit's tandard 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-Circuit's website at www.minicircuits.com/MCLStore/terms.jsp

3000 4000

FREQUENCY (MHz)

20.0

10.0

0.0

0

1000 2000

> REV. H M151107 LFCN-1500D+ ED-11960/2 AD/CP/AM 150814

1500

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

5000 6000 7000

1000

FREQUENCY (MHz)

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