Ceramic **High Pass Filter**

50Ω

950 to 3200 MHz

Maximum Ratings

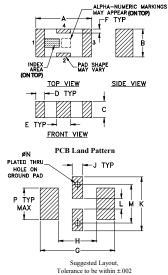
Operating Temperature	-55°C to 100°C			
Storage Temperature	-55°C to 100°C			
RF Power Input*	7W max. at 25°C			
* Passband rating, derate linearly to 3W at 100°C ambient.				

Permanent damage may occur if any of these limits are exceeded.

Pin Connections

RF IN	1
RF OUT	3
GROUND	2,4

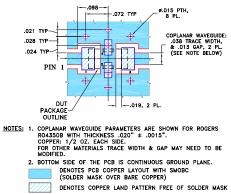
Outline Drawing



Outline Dimensions (inch) В С D Е F G 126 .037 0.94 .020 0.51 .032 0.81 .009 0.23 169 .063

wt	Р	Ν	М	L	к	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)



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 Circuitto and leather than the specification document.

Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 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-Circuit's website at www.minicircuits.com/MCLStore/terms.jsp

BEV I M158161 HFCN-880+ EDR-6437/1 AD/RS/CP/AM 160921 Page 1 of 1

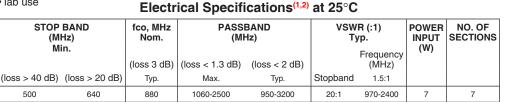
5000

Features

- low cost small size
- 7 sections
- temperature stable
- hermetically sealed
- LTCC construction
- excellent power handling, 7W

Applications

- sub-harmonic rejection
- transmitters/receivers
- lab use

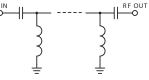


(1) In Application where DC voltage is present at either input or output ports, coupling capacitors are required. Alternatively, Mini-Circuits' "D" suffix version of this model will provide>100 MOhm isolation to ground.

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

typical frequency response 40dB ATTENUATION 20dB 3dB F 1.3dB Fco FREQUENCY

electrical schematic RF IN



Typical Performance Data at 25°C

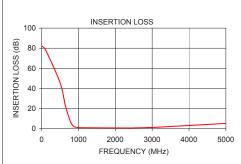
Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)			
1.00	82.28	868.59			
100.00	78.78	868.59			
500.00 640.00	45.84 23.68	56.04 24.14			
750.00	10.22	8.68			
810.00	4.85	3.84			
880.00	1.97	1.83			
950.00	1.17	1.36			
970.00	1.06	1.32			
1060.00	0.83	1.26			
2400.00	0.52	1.46			
2500.00	0.60	1.58			
3200.00	1.42	2.62			
5000.00	5.12	7.87			

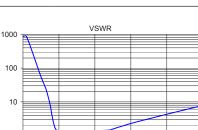
VSWR

1

0

1000





2000

3000

FREQUENCY (MHz)

4000



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

CASE STYLE: FV1206

HFCN-880+

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

> Available Tape and Reel at no extra cost Reel Size Devices/Reel 20, 50, 100, 200, 500, 1000, 3000

