Ceramic High Pass Filter

50Ω

1220 to 4600 MHz

Maximum Ratings

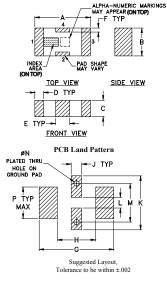
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	7W max. at 25°C
* Passband rating, derate linearly to 3	3W at 100°C ambient.

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

Pin Connections

RF IN	1
RF OUT	3
GROUND	2,4

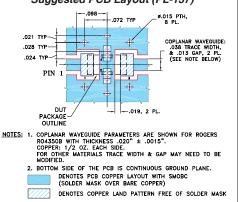
Outline Drawing



Outline Dimensions (inch)

	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
w	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

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

Applications

- sub-harmonic rejection and dc blocking
- transmitters/receivers
 lab use





HFCN-1200+

CASE STYLE: FV1206 PRICE: \$1.99 ea. QTY (20)

+RoHS Compliant

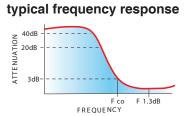
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications



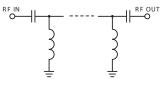
Electrical Specifications^(1,2) at 25°C

STOP (MI Mi	Hz)	fco, MHz Nom.	PASSBAND (MHz)		VSWR (:1) Typ.		POWER INPUT (W)	NO. OF SECTIONS
	(loss > 20 dB)	,	(loss < 1.3 dB) Max.	(loss < 2 dB) _{Typ.}	Stopband	Frequency (MHz) 1.5:1	(,	
750	910	1180	1380-4000	1220-4600	20:1	1300-3200	7	7
(1) In Application	whore DC voltage	ic procent at ait	hor input or output r	orto counting con	Doitoro oro roo	uirod Altorna	tively if DC	DOGO IN OUT

In Application where DC voltage is present at either input or output ports, coupling capacitors are required. Alternatively, if DC pass IN-OUT is required, Mini-Circuits' "D" suffix version of this model will support DC IN-OUT, and provide>100 MOhm isolation to ground.
 Measured on Mini-Circuits Characterization Test Board TB-270.

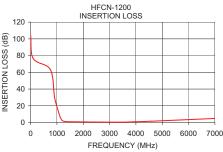


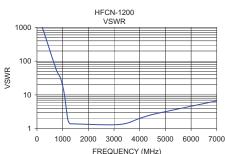
electrical schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	
1.00	104.60	1737.18	
100.00	76.44	1737.18	
750.00	63.39	56.04	
910.00	30.29	32.79	
1050.00	13.74	12.35	
1130.00	6.09	4.53	
1180.00	3.15	2.35	
1220.00	2.01	1.65	
1300.00	1.24	1.39	
1380.00	0.98	1.39	
3200.00	0.44	1.33	
4000.00	0.93	2.01	
4600.00	1.62	2.73	
7000.00	4.86	6.63	





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-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

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