

Ceramic Low Pass Filter

50Ω

DC to 1325 MHz

LFCN-1325+ LFCN-1325



Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	9W max. at 25°C
DC Current Input to Output	1A max. at 25°C

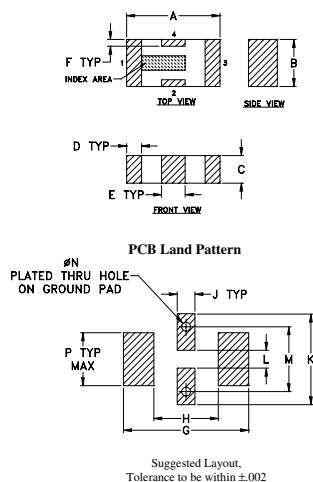
* Passband rating, derate linearly to 4W at 100°C ambient.

Pin Connections

RF IN	1**
RF OUT	3**
GROUND	2,4

** RF IN & RF OUT can be interchanged

Outline Drawing

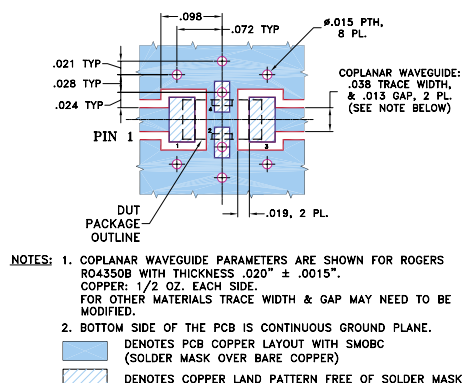


Outline Dimensions (inch)

A	B	C	D	E	F	G
.126	.063	.037	.020	.032	.009	.169
3.20	1.60	0.94	0.51	0.81	0.23	4.29

H	J	K	L	M	N	P	wt
.087	.024	.122	.024	.087	.012	.071	grams
2.21	0.61	3.10	0.61	2.21	0.30	1.80	.020

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



Features

- excellent power handling, 9W
- small size
- 5 sections
- temperature stable

Applications

- harmonic rejection
- VHF/UHF transmitters/receivers
- lab use

CASE STYLE: FV1206

Model	Price	Qty.
LFCN-1325+	\$1.99	(10-49)
LFCN-1325	\$1.99	(10-49)
LFCN-1325D+	\$2.49	(10-49)
LFCN-1325D	\$2.49	(10-49)

**+ RoHS compliant in accordance
with EU Directive (2002/95/EC)**

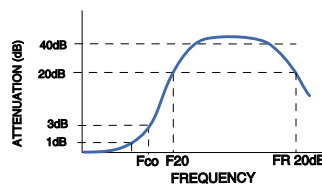
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications¹ (T_{AMB} = 25°C)

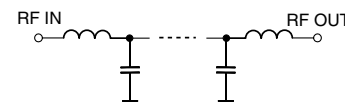
PASSBAND (MHz) (loss < 1.3 dB) Max.	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO. OF SECTIONS
		F 20	30	FR 20	Stopband	Passband	
		Min.	Typ.	Typ.	Typ.	Typ.	
DC-1325	1560	2100	2200	4250	20	1.4	5

1. For applications requiring DC voltage to be applied to the Input or output, use LFCN-1325D (DC Resistance to ground is 100 Mohms min.)

typical frequency response

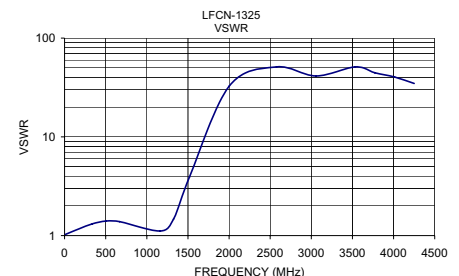
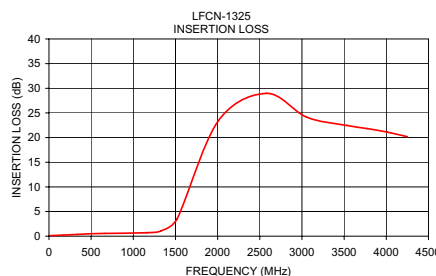


electrical schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
10.00	0.12	1.03
174.38	0.23	1.17
338.75	0.36	1.32
503.13	0.50	1.40
667.50	0.56	1.38
1160.63	0.71	1.11
1325.00	1.06	1.47
1518.75	3.52	3.91
2003.13	23.27	32.79
2577.77	28.97	51.10
3055.55	24.14	41.37
3533.33	22.45	51.10
3772.22	21.83	44.55
4011.11	21.11	40.41
4250.00	20.18	34.75



designers kit available

Kit No.	No. of Units in Kit	Description	Price \$ per Kit
K2-LFCN	60	5 of each: LFCN-800,-900,-1000,-1200,-1325,-1700,-2000,-2250,-2400,-5000,-6000,-6700	119.95

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