Ceramic Low Pass Filter

50Ω

DC to 1325 MHz

LFCN-1325D+

CASE STYLE: FV1206

PRICE: Contact Sales Dept.

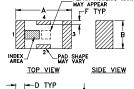
Maximum Ratings

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Operating Temperature	-55°C to 100°C			
Storage Temperature	-55°C to 100°C			
RF Power Input*	9W max. at 25°C			
Max. DC Voltage at pins 1&3	25 VDC			
DC Current Input to Output	0.5A max. at 25°C			
* Derate linearly to 4W at 100°C ambient. Permanent damage may occur if any of these limits are exceeded.				

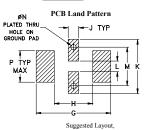
Pin Connections

RF IN	1
RF OUT	3
GROUND	2,4







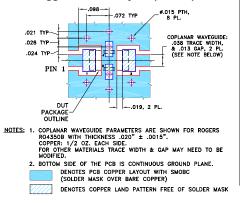


Tolerance to be within ±.002

Outline Dimensions (inch)

	G	F	E	D	С	В	А
	.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, 9W
- small size
- 5 sections

lab use

- temperature stable
- LTCC construction

Applications

- harmonic rejection • VHF/UHF transmitters/receivers

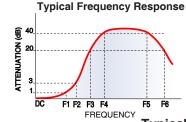
-CAT

Electrical Specifications¹ at 25°C

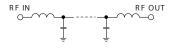
	npliant in accord Directive (2002/9
Compliance	n added in order to identify r web site for RoHS Comp walifications

Electrical Specifications' at 25°C						
rameter	F#	Frequency (MHz)	Min.	Тур.	Max.	Unit
Insertion Loss	DC-F1	DC-1325	_	_	1.3	dB
Freq. Cut-Off	F2	1560	—	3.0	—	dB
VSWR	DC-F1	DC-1325	—	1.4	—	:1
	F3	2100	20	_	—	dB
Rejection Loss	F4-F5	2200	—	30	—	dB
	F6	4250	_	20	—	dB
VSWR	F3-F6	2100-4250	_	20		:1
	Insertion Loss Freq. Cut-Off VSWR Rejection Loss	rameterF#Insertion LossDC-F1Freq. Cut-OffF2VSWRDC-F1Rejection LossF3F4-F5F6	F# Frequency (MHz) Insertion Loss DC-F1 DC-1325 Freq. Cut-Off F2 1560 VSWR DC-F1 DC-1325 Rejection Loss F3 2100 F4-F5 2200 F6 4250	F# Frequency (MHz) Min. Insertion Loss DC-F1 DC-1325 — Freq. Cut-Off F2 1560 — VSWR DC-F1 DC-1325 — Rejection Loss F3 2100 20 F6 4250 —	F# Frequency (MHz) Min. Typ. Insertion Loss DC-F1 DC-1325 — — Freq. Cut-Off F2 1560 — 3.0 VSWR DC-F1 DC-1325 — 1.4 Rejection Loss F3 2100 20 — Rejection Loss F4-F5 2200 — 30 F6 4250 — 20 —	rameter F# Frequency (MHz) Min. Typ. Max. Insertion Loss DC-F1 DC-1325 1.3 Freq. Cut-Off F2 1560 3.0 VSWR DC-F1 DC-1325 1.4 Rejection Loss F4-F5 2200 30 Rejection Loss F4-F5 2200 20

1. DC Resistance to ground is 100 Mohms min.

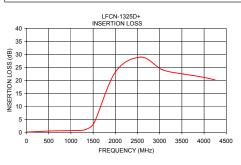


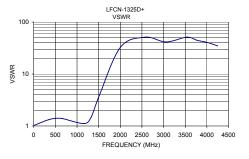
Electrical Schematic



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			
338.75 503.13	0.36 0.50	1.32 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			





For detailed performance specs & shopping online see web site

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REV. B M132298 LFCN-1325D+ ED-9913/3 RVN/AD/CP/AM

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