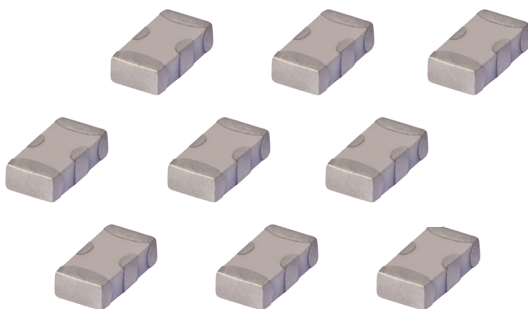




DESIGNER'S KIT K5-LFCN+

Low Pass Filters

50Ω DC to 6700 MHz



FEATURES

- Wideband, 50Ω
- LTCC Low Temperature Co-fired Ceramic
- Small size (L) 0.12" x (W) 0.06"
- Temperature stable
- Repeatable performance
- Excellent power handling
- Hermetically sealed
- Low cost

MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION



K5-LFCN+ ELECTRICAL SPECIFICATIONS

(kit includes 13 models, 5 of each, 65 total)

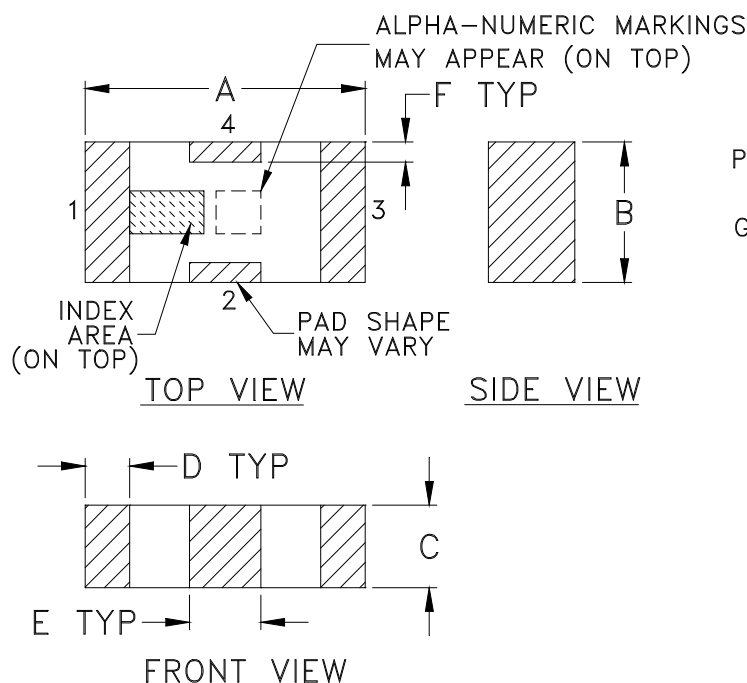
Model	Passband (MHz) (loss < 1dB) ¹ Max.	f _{co} , (MHz) Nom. (loss 3dB) Typ.	Stopband (MHz) (loss, dB)			VSWR (:1)		No. of Sections	Power Input ² (W) Max.
			f 20 Min.	30 Typ.	fr 20 Typ.	Stopband Typ.	Passband Typ.		
LFCN-2000+	DC-2000	2275	3000	3100-3500	4600	20	1.3	5	9
LFCN-2250+	DC-2200	2575	2900	3000-5000	7200	20	1.2	7	10
LFCN-2400+	DC-2400	2800	3600	3700-4000	5000	20	1.2	5	9
LFCN-2500+	DC-2500	3075	3675	3800-6100	8000	20	1.2	7	10
LFCN-2600+	DC-2600	3125	3750	3900-6600	8400	20	1.2	7	10
LFCN-2750+	DC-2750	3150	4000	4150-6800	8400	20	1.2	7	10
LFCN-2850+	DC-2800	3300	4000	4200-7400	9000	20	1.2	7	10
LFCN-3000+	DC-3000	3600	4550	4780-7500	10000	20	1.2	7	10
LFCN-3800+	DC-3900	4850	6000	5700-8300	13000	17	1.3	7	8
LFCN-4400+	DC-4400	5290	6700	6280-9800	13000	17	1.2	7	8
LFCN-5000+	DC-5000	5580	6850	7050-10000	18000	20	1.2	7	9
LFCN-6000+	DC-6000	6800	8500	8700-10500	18000	20	1.3	7	9
LFCN-6700+	DC-6700	7600	9300	9500-11000	18000	20	1.3	7	9

¹ LFCN-2250+, -2850+, -6000+, -6700+ Loss < 1.2dB, LFCN-2000+, -2400+, -3800+ Loss < 1.5dB.

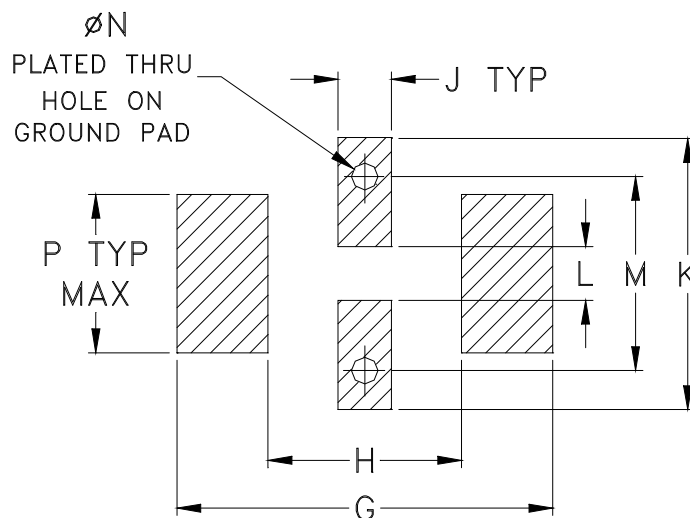
² Passband rating, at 100°C ambient derate linearly to 3.5W, 3W for LFCN-3800+, -4400+, -5000+, -6000+, -6700+, 4W for LFCN-2000+, -2400+.



Outline Dimensions



PCB Land Pattern



Suggested Layout,
Tolerance to be within $\pm .002$

CASE #	A	B	C	D	E	F	G	H	J	K	L	M	N	P	WT. GRAM
FV1206	.126 (3.20)	.063 (1.60)	.037 (0.94)	.020 (0.51)	.032 (0.81)	.009 (0.23)	.169 (4.29)	.087 (2.21)	.024 (0.61)	.122 (3.10)	.024 (0.61)	.087 (2.21)	.012 (0.30)	.071 (1.80)	.020

Dimensions are in inches (mm). Tolerances: 2 Pl. $\pm .01$; 3 Pl. $\pm .005$

Notes:

- Open style, ceramic base.
- Termination finish: **as shown below or indicated on Data Sheet.**
For RoHS Case Styles: Tin plate over Nickel plate. All models, (+) suffix.
For RoHS-5 Case Styles: Tin-Lead plate. All models, no (+) suffix.



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/IF MICROWAVE COMPONENTS

Tape & Reel Packaging TR-F71

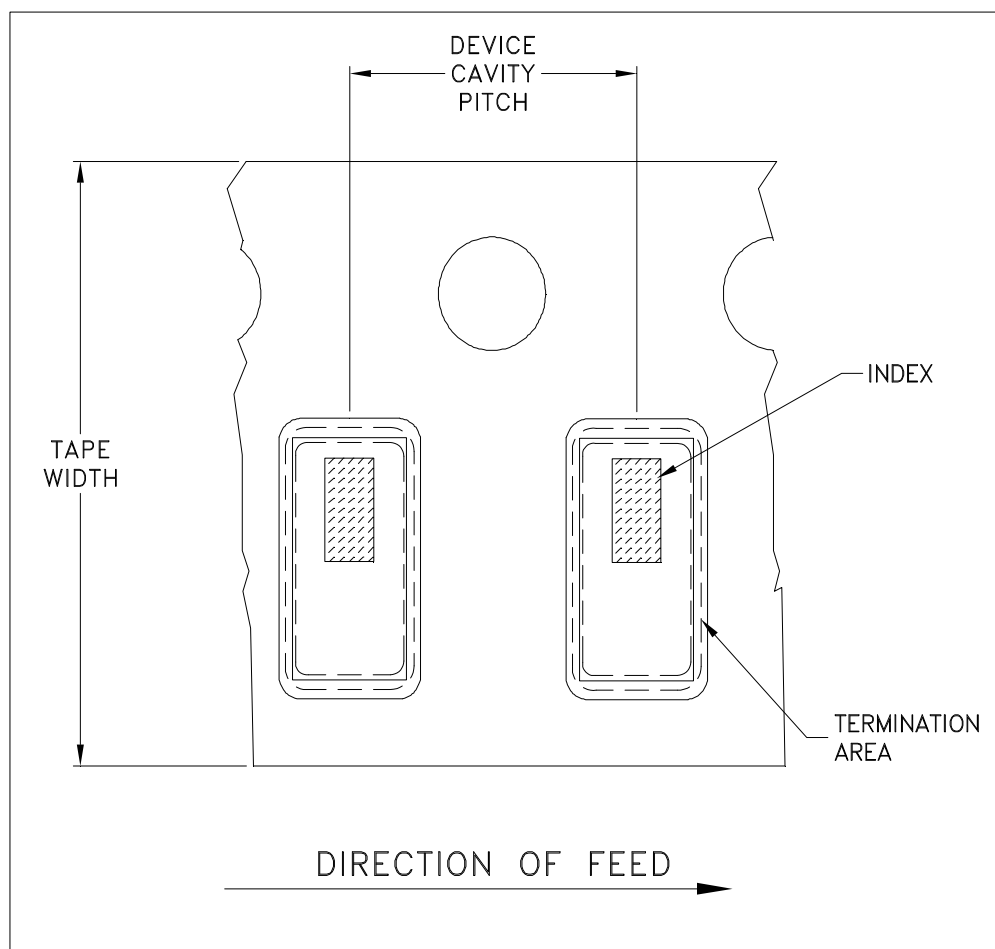


ILLUSTRATION 1

Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel	
8	4	7	Small quantity standards (see note)	20
				50
				100
				200
				500
				1000
			Standard	3000

Note: Please Consult individual model data sheet to determine device per reel availability.

Mini-Circuits carrier tape materials provide protection from ESD (Electro-Static Discharge) during handling and transportation. Tapes are static dissipative and comply with industry standards EIA-481/EIA-541.

Go to: www.minicircuits.com/pages/pdfs/tape.pdf



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