

Ceramic Low Pass

All specifications at 25°C	Model No.	Passband, MHz (loss < 1 dB) Max.	f _{co} , MHz Nom. (loss 3 dB) Typ	Stop Band, MHz (loss, dB)			VSWR		No. of Sections	Case Style Note B	Connection	Schematic
				f 20 Min.	40 Typ.	fr 20 Typ.	Passband Typ.	Stopband Typ.				
				*LFCN-80	DC-80	145	190	215-1550				
*LFCN-95	DC-95	165	220	240-1600	4500	1.2:1	20:1	7	FV1206	nx	A	
*LFCN-105	DC-105	180	250	265-1650	4750	1.2:1	20:1	7	FV1206	nx	A	
*LFCN-120	DC-120	195	270	285-1850	4750	1.2:1	20:1	7	FV1206	nx	A	
*LFCN-225	DC-225	350	440	510-2500	5500	1.2:1	20:1	7	FV1206	nx	A	
*LFCN-320	DC-320	460	550	640-2500	5300	1.2:1	20:1	7	FV1206	nx	A	
*LFCN-400	DC-400	560	650	680-3000	5500	1.2:1	20:1	7	FV1206	nx	A	
*LFCN-490	DC-490	650	780	880-2500	6000	1.2:1	20:1	7	FV1206	nx	A	
*LFCN-530	DC-530	700	820	945-3000	6000	1.2:1	20:1	7	FV1206	nx	A	
*LFCN-575	DC-575	770	900	1050-3200	5500	1.2:1	20:1	7	FV1206	nx	A	
*LFCN-630	DC-630	830	1000	1050-3500	6000	1.2:1	20:1	7	FV1206	nx	A	

(1) For applications requiring DC voltage to be applied to the input or output, add suffix letter "D" to P/N.
(DC resistance to ground is 100 megaohms min.)
see suggested PCB layout (PL-137) for LFCN models

Features:

- features excellent power handling, up to 10W
- small size, .12"x.06"
- temperature stable
- patent pending

Typical Applications:

- harmonic rejection
- transmitters/receivers
- lab use

Pin Connections

see case style outline drawings	
PORT	nx
INPUT	1 [^]
OUTPUT	3 [^]
GND	2,4
DEMO BOARD	TB-270

[^]RF IN & RF OUT can be interchanged

Notes

- * LFCN models are hermetically sealed.
- A. Environmental specifications and re-flow soldering information available in General Information Section.
- B. For details on case dimensions & finishes see "Case Styles & Outline Drawings".
- C. Prices and Specifications subject to change without notice.
- 1. Absolute maximum power, voltage and current ratings:
 - 1a. RF power input max.:
 - Model
 - LFCN-80,-95,-105,-120,-225,-320,-400,-490,-530,-575,-630..... 8.5W ^(a)
 - LFCN-800,-1325,-2000,-2400,-5000,-6000,-6700..... 9W ^(b)
 - LFCN-900,-1000,-1200,-1400,-1450,-1500,-1525,-1575,-1700,-1800,-2250,-2500,-2600,-2750,-2850,-3000, 10W ^(a)
 - ^(a) derate linearly to 3.5W at 100°C
 - ^(b) derate linearly to 4W at 100°C, except LFCN-5000,-6000,-6700 to 3W at 100°C
 - 1b. DC current input to output LFCN-800,-1000,-1325,-2000,-2400 1A max. at 25°C; other models 0.5A max. at 25°C
- 2. Operating temperature, -55°C to 100°C

FV1206 (inch/mm)

A	B	C	D	E	F	G	H	J	
.126	.063	.037	.020	.032	.009	.169	.087	.024	
3.200	1.600	0.940	0.500	0.813	0.229	4.293	2.210	0.610	
K	L	M	N	P	Q	R	S	T	wt. grams.
.122	.024	.087	.012	.071					
3.099	0.610	2.210	0.305	1.803					0.200

Tolerance: .x ± .1 .xx ± .03 .xxx ± .015 inch.

