

CERAMIC LOW PASS DC to 5400 MHz

BLUE CELL™



LFTC

NEW!

all specifications at 25°C

◆ MODEL NO.	PASSBAND (MHz)	f _{co} (MHz) Nom.	STOP BAND (MHz)			VSWR (:1) Passband	POWER INPUT (W)	CASE STYLE	CONNECTION	PRICE \$
	(loss < 1 dB)	(loss 3 dB) Typ.	(loss > 20dB)	(loss >40 dB)	fr20 dB Typ.	Typ.		Note B		Qty. (10-49)
LFTC-850	DC-850	1078	1500	2000-3500	5500	1.2	16	FR933	nw	3.75
LFTC-1350	DC-1350	1550	2100	2700-4000	7000	1.2	15	FR933	nw	3.75
LFTC-1700	DC-1700	1980	2700	3300-3880	7200	1.2	14	FR933	nw	3.75
LFTC-2000	DC-2000	2430	3450	4500-5400	8000	1.2	10	FR933	mw	3.75
LFTC-3300	DC-3300	4060	5600	—	10000	1.2	10	FR933	mw	3.75
LFTC-4000	DC-4000	5325	7250	—	9500	1.2	10	FR933	mw	3.75
	(loss < 1.3 dB)									
LFTC-5400	DC-5400	6410	9000-11000	—	12000	1.1	19	FR933	nw	3.75

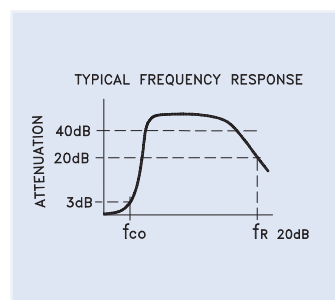
see suggested PCB layout (PL-112) for LFTC models

features

- miniature size, 0.15"x0.15"x.028"
- low profile, .028" height
- high power handling, up to 19W

applications

- harmonic rejection
- internal rejection
- receivers & transmitters



NOTES:

- Aqueous washable.
- Environmental specifications and re-flow soldering information available in General Information Section.
- Units are non-hermetic unless otherwise noted. For details on case dimensions & finishes see "Case Styles & Outline Drawings".
- Prices and Specifications subject to change without notice.
- Absolute maximum power, voltage and current ratings:
 - LPCH models: RF power input, 10W max. derate linearly to 3W at 100°C
 - LFTC models, See spec table above. At 100°C ambient, derate linearly to 7W (LFTC-850,-1350), to 6W (LFTC-1700) to 8W (LFTC-5400), and to 4W (LFTC-2000,-3300,-4000)
- Operating temperature, -55°C to 100°C, LFTC & LPCH models.
- Storage temperature, -55°C to 125°C, LFTC models

model identification

Model	marking
LFTC-850	LF3
LFTC-1350	LF1
LFTC-1700	LF4
LFTC-2000	LF8
LFTC-3300	LF9
LFTC-4000	LF10
LFTC-5400	LF5

CERAMIC LOW PASS DC to 900 MHz

 BLUE CELL™


LPCH

NEW!

MODEL NO.	PASSBAND, MHz	fco, MHz Nom.	STOP BAND, MHz		VSWR		CASE STYLE	CONNECT ION	PRICE \$
	(loss < 1 dB) Min.	(loss 3 dB) Typ.	(loss > 20dB) Min.	(loss > 35 dB) Min.	Passband Typ.	Stopband Typ.	Note B		Qty. (10-49)
LPCH-500	DC-500	700	825-950	950-1450	1.2:1	20:1	BJ850	nu	5.95
LPCH-600	DC-575	890	1080-1175	1175-3000	1.2:1	20:1	BJ850	nu	5.95
LPCH-800	DC-750	1100	1300-1450	1450-3000	1.2:1	20:1	BJ850	nu	5.95
LPCH-1000	DC-900	1280	1550-1650	1650-3000	1.2:1	20:1	BJ850	nu	5.95

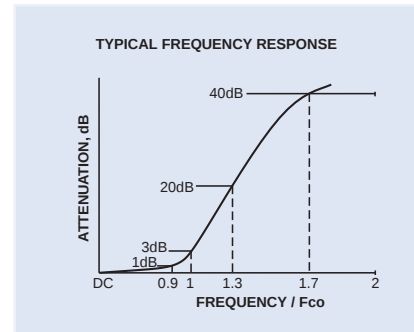
see suggested PCB layout (PL-047) for LPCH models

features

- excellent rejection, 40 dB at 1.35 f_3 dB
- excellent power handling, 10W
- low height, .070" max.
- 9 sections
- patent pending

applications

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



pin connections

see case style outline drawings

PORT	nu	nw
INPUT	1	2
OUTPUT	5	5
GND	2,3,4,6,7,8	1,3,4,6
DEMO BOARD	TB-189	TB-233

