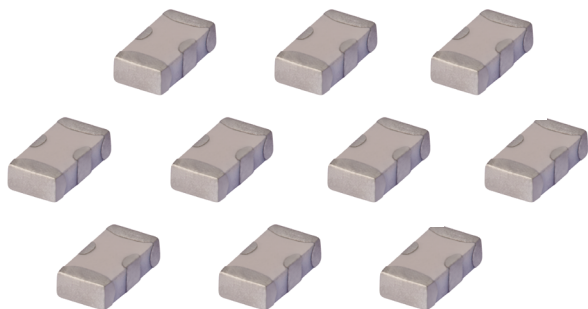




DESIGNER'S KIT K2-LFCN+

# Low Pass Filters

50Ω DC to 6700MHz



## 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



## K2-LFCN+ ELECTRICAL SPECIFICATIONS

(kit includes 12 models, 5 of each, 60 total)

| Model        | Passband (MHz)<br>(loss < 1dB) <sup>1</sup><br>Max. | fco, (MHz)<br>Nom.<br>(loss 3dB)<br>Typ. | Stopband (MHz)<br>(loss, dB) |            |               | VSWR<br>(:1)     |                  | Power<br>Input <sup>2</sup> (W)<br>Max. | No. of<br>Sections |
|--------------|-----------------------------------------------------|------------------------------------------|------------------------------|------------|---------------|------------------|------------------|-----------------------------------------|--------------------|
|              |                                                     |                                          | f 20<br>Min.                 | 30<br>Typ. | fr 20<br>Typ. | Stopband<br>Typ. | Passband<br>Typ. |                                         |                    |
| LFCN-800+    | DC-800                                              | 990                                      | 1400                         | 1500-2000  | 4500          | 20               | 1.2              | 9                                       | 5                  |
| • LFCN-900+  | DC-850                                              | 1075                                     | 1275                         | 1350-4850  | 5100          | 20               | 1.2              | 10                                      | 7                  |
| • LFCN-1000+ | DC-1000                                             | 1300                                     | 1550                         | 1900-5000  | 5500          | 20               | 1.3              | 10                                      | 7                  |
| • LFCN-1200+ | DC-1200                                             | 1530                                     | 1865                         | 2000-5000  | 6200          | 20               | 1.2              | 10                                      | 7                  |
| • LFCN-1325+ | DC-1325                                             | 1560                                     | 2100                         | 2200-2600  | 4250          | 20               | 1.4              | 9                                       | 5                  |
| • LFCN-1700+ | DC-1700                                             | 2050                                     | 2375                         | 2500-6500  | 7000          | 20               | 1.2              | 10                                      | 7                  |
| LFCN-2000+   | DC-2000                                             | 2275                                     | 3000                         | 3100-3500  | 4600          | 20               | 1.3              | 9                                       | 5                  |
| • LFCN-2250+ | DC-2200                                             | 2575                                     | 2900                         | 3000-5000  | 7200          | 20               | 1.2              | 10                                      | 7                  |
| LFCN-2400+   | DC-2400                                             | 2800                                     | 3600                         | 3700-4000  | 5000          | 20               | 1.2              | 9                                       | 5                  |
| • LFCN-5000+ | DC-5000                                             | 5580                                     | 6850                         | 7050-10000 | 18000         | 20               | 1.2              | 9                                       | 7                  |
| • LFCN-6000+ | DC-6000                                             | 6800                                     | 8500                         | 8700-10500 | 18000         | 20               | 1.3              | 9                                       | 7                  |
| • LFCN-6700+ | DC-6700                                             | 7600                                     | 9300                         | 9500-11000 | 18000         | 20               | 1.3              | 7                                       | 7                  |

• Protected under U.S. Patent 6,943,646

<sup>1</sup> LFCN-1700+, -2250+, -6000+, -6700+ Loss < 1.2dB, LFCN-800+, -900+, -1325+ Loss < 1.3dB, LFCN-2000+, -2400+ Loss < 1.5dB.

\* Passband rating, at 100oC ambient derate linearly to 3.5W, 3W for LFCN-5000+, -6000+, -6700+, 4W for LFCN-800+, -1325+, -2000+, -2400+.



# Mouser Electronics

Authorized Distributor

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