

# Ceramic Low Pass Filter

# LFCG-320+

## Typical Performance Data

| FREQ. | Insertion Loss | Input Return Loss | Output Return Loss | FREQ. | Group Delay |
|-------|----------------|-------------------|--------------------|-------|-------------|
| (MHz) | (dB)           | (dB)              | (dB)               | (MHz) | (ns)        |
| 1     | 0.18           | 38.14             | 39.63              | 1     | 0.94        |
| 50    | 0.25           | 34.09             | 31.99              | 3     | 0.94        |
| 100   | 0.32           | 34.85             | 28.15              | 5     | 0.93        |
| 150   | 0.40           | 36.31             | 25.56              | 7     | 0.93        |
| 200   | 0.50           | 39.46             | 23.81              | 9     | 0.92        |
| 250   | 0.62           | 42.16             | 23.44              | 11    | 0.92        |
| 320   | 0.91           | 30.36             | 24.86              | 13    | 0.91        |
| 400   | 1.79           | 15.34             | 15.17              | 15    | 0.91        |
| 440   | 3.29           | 10.01             | 9.69               | 17    | 0.90        |
| 500   | 11.89          | 6.75              | 4.35               | 19    | 0.90        |
| 525   | 20.19          | 7.76              | 3.41               | 20    | 0.89        |
| 585   | 31.21          | 3.20              | 2.26               | 30    | 0.89        |
| 600   | 37.25          | 2.53              | 2.04               | 40    | 0.89        |
| 650   | 36.08          | 1.50              | 1.45               | 50    | 0.89        |
| 660   | 35.86          | 1.40              | 1.36               | 60    | 0.89        |
| 675   | 36.26          | 1.28              | 1.23               | 70    | 0.89        |
| 700   | 38.41          | 1.12              | 1.06               | 80    | 0.89        |
| 800   | 42.04          | 0.79              | 0.63               | 90    | 0.90        |
| 1000  | 34.86          | 0.52              | 0.33               | 100   | 0.90        |
| 1200  | 39.78          | 0.38              | 0.24               | 110   | 0.91        |
| 1500  | 46.50          | 0.27              | 0.20               | 120   | 0.91        |
| 1800  | 36.31          | 0.21              | 0.18               | 130   | 0.92        |
| 1900  | 34.98          | 0.21              | 0.17               | 140   | 0.93        |
| 2000  | 33.96          | 0.19              | 0.17               | 150   | 0.94        |
| 2100  | 33.23          | 0.18              | 0.17               | 160   | 0.95        |
| 2200  | 32.65          | 0.18              | 0.17               | 170   | 0.97        |
| 2300  | 32.22          | 0.18              | 0.16               | 180   | 0.98        |
| 2400  | 31.88          | 0.17              | 0.16               | 190   | 0.99        |
| 2500  | 31.62          | 0.17              | 0.17               | 200   | 1.00        |
| 2600  | 31.44          | 0.17              | 0.16               | 210   | 1.02        |
| 2700  | 31.32          | 0.17              | 0.16               | 215   | 1.03        |
| 2800  | 31.17          | 0.16              | 0.16               | 220   | 1.05        |
| 2900  | 31.20          | 0.17              | 0.16               | 225   | 1.06        |
| 3000  | 31.15          | 0.17              | 0.16               | 230   | 1.07        |
| 3100  | 31.09          | 0.17              | 0.16               | 235   | 1.08        |
| 3200  | 31.06          | 0.17              | 0.17               | 240   | 1.09        |
| 3300  | 31.00          | 0.17              | 0.16               | 245   | 1.11        |
| 3400  | 30.97          | 0.17              | 0.16               | 250   | 1.12        |
| 3500  | 30.67          | 0.19              | 0.16               | 255   | 1.14        |
| 3600  | 30.23          | 0.21              | 0.17               | 260   | 1.15        |
| 3700  | 28.96          | 0.30              | 0.19               | 265   | 1.17        |
| 3800  | 26.02          | 1.05              | 0.24               | 270   | 1.18        |
| 3900  | 36.59          | 0.61              | 0.22               | 275   | 1.20        |
| 4000  | 41.74          | 0.26              | 0.19               | 280   | 1.22        |
| 4100  | 39.49          | 0.20              | 0.19               | 285   | 1.24        |
| 4200  | 38.74          | 0.19              | 0.20               | 290   | 1.26        |
| 4300  | 38.90          | 0.18              | 0.20               | 295   | 1.28        |
| 4400  | 39.05          | 0.17              | 0.22               | 300   | 1.30        |
| 4500  | 40.19          | 0.18              | 0.23               | 305   | 1.33        |
| 4600  | 41.96          | 0.18              | 0.26               | 310   | 1.35        |
| 4700  | 44.89          | 0.18              | 0.32               | 315   | 1.38        |
| 4800  | 40.89          | 0.20              | 0.60               | 320   | 1.41        |
| 4900  | 30.29          | 0.23              | 1.48               | 325   | 1.43        |
| 5000  | 32.98          | 0.21              | 0.50               | 330   | 1.47        |
| 5100  | 35.30          | 0.21              | 0.34               | 335   | 1.50        |
| 5200  | 37.04          | 0.20              | 0.28               | 340   | 1.53        |
| 5400  | 40.27          | 0.23              | 0.28               | 345   | 1.57        |
| 5500  | 41.19          | 0.25              | 0.27               | 350   | 1.61        |
| 5750  | 44.51          | 0.31              | 0.27               | 355   | 1.65        |
| 6000  | 49.40          | 0.37              | 0.33               | 360   | 1.70        |

