

# Coaxial Reflectionless Low Pass Filter

# ZXLF-K63H+

## Typical Performance Data

| FREQ. | Insertion Loss | Input Return Loss | Output Return Loss | FREQ. | Group Delay |
|-------|----------------|-------------------|--------------------|-------|-------------|
| (MHz) | (dB)           | (dB)              | (dB)               | (MHz) | (ns)        |
| 1     | 0.58           | 33.93             | 34.04              | 1     | 0.25        |
| 5     | 0.53           | 34.50             | 34.34              | 40    | 0.23        |
| 10    | 0.54           | 34.34             | 34.36              | 100   | 0.23        |
| 15    | 0.54           | 34.23             | 34.33              | 200   | 0.22        |
| 25    | 0.55           | 34.12             | 34.24              | 300   | 0.22        |
| 40    | 0.56           | 33.92             | 33.95              | 400   | 0.22        |
| 100   | 0.58           | 33.87             | 33.88              | 500   | 0.22        |
| 200   | 0.65           | 30.94             | 30.80              | 600   | 0.22        |
| 300   | 0.69           | 28.53             | 28.31              | 700   | 0.22        |
| 400   | 0.74           | 26.53             | 26.31              | 800   | 0.22        |
| 500   | 0.77           | 24.82             | 24.53              | 900   | 0.22        |
| 600   | 0.81           | 23.31             | 23.03              | 1000  | 0.22        |
| 700   | 0.85           | 22.10             | 21.79              | 1100  | 0.21        |
| 800   | 0.88           | 20.96             | 20.75              | 1200  | 0.21        |
| 900   | 0.93           | 20.03             | 19.70              | 1300  | 0.21        |
| 1000  | 0.97           | 19.18             | 18.86              | 1400  | 0.21        |
| 1100  | 1.01           | 18.39             | 18.11              | 1500  | 0.21        |
| 1200  | 1.05           | 17.74             | 17.48              | 1600  | 0.21        |
| 1300  | 1.09           | 17.11             | 16.87              | 1700  | 0.21        |
| 1400  | 1.14           | 16.58             | 16.34              | 1800  | 0.21        |
| 1500  | 1.18           | 16.08             | 15.85              | 1900  | 0.21        |
| 1600  | 1.21           | 15.65             | 15.47              | 2000  | 0.21        |
| 1700  | 1.27           | 15.27             | 15.10              | 2100  | 0.21        |
| 1800  | 1.30           | 14.94             | 14.75              | 2200  | 0.21        |
| 1900  | 1.34           | 14.61             | 14.45              | 2300  | 0.21        |
| 2000  | 1.39           | 14.34             | 14.20              | 2400  | 0.21        |
| 3000  | 1.67           | 13.41             | 13.42              | 2500  | 0.21        |
| 4000  | 1.77           | 15.38             | 15.68              | 2600  | 0.21        |
| 5000  | 1.86           | 19.59             | 21.53              | 2700  | 0.21        |
| 6000  | 2.03           | 20.11             | 23.55              | 2800  | 0.21        |
| 6100  | 2.05           | 20.07             | 23.19              | 2900  | 0.21        |
| 6600  | 2.13           | 20.17             | 21.99              | 3000  | 0.21        |
| 6820  | 2.17           | 20.60             | 21.78              | 3100  | 0.21        |
| 7000  | 2.19           | 21.42             | 22.21              | 3200  | 0.21        |
| 8600  | 2.65           | 34.96             | 24.07              | 3300  | 0.21        |
| 9000  | 2.79           | 36.99             | 24.63              | 3400  | 0.21        |
| 9100  | 2.84           | 36.87             | 24.79              | 3500  | 0.21        |
| 9200  | 2.87           | 35.49             | 24.91              | 3600  | 0.21        |
| 9300  | 2.92           | 34.16             | 24.82              | 3700  | 0.21        |
| 9400  | 2.96           | 32.83             | 24.79              | 3800  | 0.21        |
| 10000 | 3.25           | 24.44             | 22.03              | 3900  | 0.21        |
| 10500 | 3.59           | 20.12             | 18.88              | 4000  | 0.21        |
| 11000 | 4.01           | 17.79             | 16.65              | 4100  | 0.21        |
| 11200 | 4.21           | 17.32             | 16.20              | 4200  | 0.21        |
| 13000 | 8.28           | 14.85             | 14.03              | 4300  | 0.21        |
| 14500 | 21.87          | 15.68             | 15.33              | 4400  | 0.21        |
| 15000 | 26.63          | 22.13             | 20.32              | 4500  | 0.21        |
| 16300 | 38.11          | 25.77             | 25.82              | 4600  | 0.21        |
| 17000 | 50.34          | 21.40             | 23.24              | 4700  | 0.21        |
| 17200 | 53.62          | 20.63             | 22.73              | 4800  | 0.21        |
| 17500 | 54.36          | 19.86             | 22.29              | 4900  | 0.22        |
| 18000 | 47.87          | 19.17             | 22.02              | 5000  | 0.22        |
| 18500 | 43.47          | 19.06             | 22.25              | 5100  | 0.22        |
| 19000 | 41.42          | 19.48             | 23.13              | 5200  | 0.22        |
| 19500 | 40.79          | 20.65             | 25.06              | 5300  | 0.22        |
| 20000 | 41.14          | 22.85             | 29.41              | 5400  | 0.22        |
| 21000 | 44.60          | 36.83             | 28.40              | 5500  | 0.22        |
| 24000 | 50.09          | 10.29             | 8.87               | 6000  | 0.22        |
| 30000 | 31.85          | 6.50              | 6.17               | 6600  | 0.22        |
| 40000 | 57.81          | 5.99              | 5.66               | 6820  | 0.22        |