

# Coaxial Low Pass Filter

## VLF-2850

### Typical Performance Data

| FREQUENCY<br>(MHz) | INSERTION LOSS @ +25° C<br>(dB) | INPUT RETURN LOSS @ +25° C<br>(dB) | OUTPUT RETURNLOSS @ +25° C<br>(dB) |
|--------------------|---------------------------------|------------------------------------|------------------------------------|
| 50                 | 0.09                            | 36.81                              | 37.25                              |
| 100                | 0.10                            | 39.79                              | 39.08                              |
| 500                | 0.20                            | 41.24                              | 32.41                              |
| 1000               | 0.29                            | 27.26                              | 24.46                              |
| 1500               | 0.41                            | 21.13                              | 20.48                              |
| 2000               | 0.52                            | 18.88                              | 19.17                              |
| 2500               | 0.64                            | 21.73                              | 21.44                              |
| 2850               | 0.81                            | 24.21                              | 23.11                              |
| 2920               | 0.89                            | 21.43                              | 20.81                              |
| 3285               | 2.87                            | 6.45                               | 6.58                               |
| 3300               | 3.09                            | 6.01                               | 6.16                               |
| 3395               | 4.91                            | 3.79                               | 3.96                               |
| 3565               | 10.03                           | 1.68                               | 1.89                               |
| 3695               | 15.12                           | 1.08                               | 1.30                               |
| 3805               | 19.99                           | 0.87                               | 1.09                               |
| 3900               | 24.62                           | 0.75                               | 1.01                               |
| 3985               | 29.23                           | 0.70                               | 0.97                               |
| 4000               | 30.09                           | 0.69                               | 0.96                               |
| 4050               | 33.14                           | 0.68                               | 0.93                               |
| 4115               | 37.54                           | 0.63                               | 0.93                               |
| 4150               | 40.18                           | 0.63                               | 0.92                               |
| 4200               | 44.37                           | 0.61                               | 0.90                               |
| 4680               | 48.29                           | 0.50                               | 0.84                               |
| 4850               | 43.35                           | 0.49                               | 0.82                               |
| 5000               | 41.19                           | 0.50                               | 0.78                               |
| 5500               | 41.75                           | 0.45                               | 0.65                               |
| 6140               | 47.87                           | 0.39                               | 0.50                               |
| 6500               | 37.71                           | 0.36                               | 0.45                               |
| 7400               | 28.61                           | 0.32                               | 0.41                               |
| 8500               | 24.29                           | 0.33                               | 0.45                               |
| 9000               | 22.82                           | 0.36                               | 0.46                               |
| 9500               | 21.40                           | 0.34                               | 0.46                               |
| 10000              | 20.12                           | 0.37                               | 0.47                               |
| 11000              | 17.31                           | 0.46                               | 0.51                               |
| 11580              | 15.58                           | 0.49                               | 0.49                               |
| 12000              | 14.34                           | 0.61                               | 0.55                               |
| 13000              | 11.05                           | 1.12                               | 0.95                               |
| 13600              | 9.38                            | 1.87                               | 1.33                               |
| 14000              | 10.64                           | 6.31                               | 1.47                               |
| 16000              | 14.57                           | 0.93                               | 0.92                               |

REV. X1

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IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant

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