

# Low Noise Amplifier

# ZFL-500LN+

## Typical Performance Data

| FREQUENCY<br>(MHz) | GAIN<br>(dB) |       |       | DIRECTIVITY<br>(dB) |       |       | VSWR<br>IN<br>(:1)<br>15V | VSWR OUT<br>(:1)<br>15V | NOISE<br>FIGURE<br>(dB)<br>15V | Pout at<br>1dB Comp.<br>(dBm)<br>15V |
|--------------------|--------------|-------|-------|---------------------|-------|-------|---------------------------|-------------------------|--------------------------------|--------------------------------------|
|                    | 12V          | 15V   | 16V   | 12V                 | 15V   | 16V   |                           |                         |                                |                                      |
| 0.1                | 24.30        | 27.80 | 28.40 | 34.40               | 27.80 | 30.80 | 1.22                      | 1.17                    |                                | 7.74                                 |
| 0.6                | 24.41        | 27.98 | 28.60 | 30.00               | 28.80 | 28.40 | 1.05                      | 1.10                    |                                | 7.97                                 |
| 5.4                | 24.37        | 27.94 | 28.56 | 29.00               | 26.50 | 25.50 | 1.03                      | 1.10                    |                                | 8.09                                 |
| 53.3               | 24.49        | 28.15 | 28.75 | 26.90               | 27.20 | 26.40 | 1.09                      | 1.08                    | 2.89                           | 7.94                                 |
| 192.4              | 24.65        | 28.21 | 28.89 | 26.20               | 26.90 | 26.50 | 1.17                      | 1.10                    | 3.03                           | 7.72                                 |
| 243.6              | 24.66        | 28.12 | 28.81 | 29.60               | 25.70 | 25.50 | 1.19                      | 1.13                    | 3.04                           | 7.77                                 |
| 307.7              | 24.73        | 28.10 | 28.75 | 27.20               | 24.40 | 25.00 | 1.21                      | 1.21                    | 3.03                           | 7.82                                 |
| 371.8              | 24.83        | 28.11 | 28.74 | 26.80               | 25.20 | 25.10 | 1.23                      | 1.28                    | 3.00                           | 7.89                                 |
| 435.9              | 24.88        | 28.09 | 28.68 | 27.20               | 23.50 | 23.30 | 1.25                      | 1.36                    | 2.98                           | 7.88                                 |
| 500.0              | 24.79        | 27.89 | 28.44 | 26.50               | 28.30 | 24.60 | 1.26                      | 1.45                    | 2.98                           | 8.01                                 |

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