

# Amplifier

# ZFL-2HAD+

## Typical Performance Data

| FREQUENCY<br>(MHz) | GAIN<br>(dB) |       |       | DIRECTIVITY<br>(dB) |       |       | VSWR<br>IN<br>(:1)<br>15V | VSWR<br>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   |                           |                            |                                |                                      |
| 50.0               | 11.74        | 11.99 | 11.97 | 47.28               | 48.60 | 48.21 | 1.24                      | 1.21                       | 6.36                           | 22.06                                |
| 100.0              | 11.76        | 12.02 | 12.00 | 40.33               | 41.48 | 42.07 | 1.26                      | 1.23                       | 6.65                           | 21.99                                |
| 150.0              | 11.55        | 11.81 | 11.80 | 37.15               | 38.40 | 38.66 | 1.26                      | 1.23                       | 6.21                           | 21.88                                |
| 200.0              | 11.49        | 11.68 | 11.64 | 34.79               | 35.99 | 36.59 | 1.28                      | 1.15                       | 6.50                           | 21.61                                |
| 250.0              | 11.66        | 11.89 | 11.86 | 32.50               | 33.77 | 34.31 | 1.30                      | 1.19                       | 6.11                           | 21.73                                |
| 300.0              | 11.75        | 11.99 | 11.97 | 30.74               | 31.99 | 32.42 | 1.32                      | 1.23                       | 6.41                           | 21.77                                |
| 350.0              | 11.85        | 12.09 | 12.07 | 29.23               | 30.49 | 30.86 | 1.35                      | 1.26                       | 5.94                           | 21.86                                |
| 400.0              | 11.91        | 12.16 | 12.15 | 27.96               | 29.18 | 29.60 | 1.38                      | 1.29                       | 6.26                           | 21.63                                |
| 450.0              | 11.98        | 12.22 | 12.20 | 26.82               | 28.08 | 28.49 | 1.41                      | 1.31                       | 5.82                           | 21.71                                |
| 500.0              | 12.03        | 12.28 | 12.26 | 25.78               | 27.06 | 27.46 | 1.44                      | 1.34                       | 6.03                           | 21.62                                |
| 550.0              | 12.09        | 12.33 | 12.31 | 24.86               | 26.14 | 26.58 | 1.48                      | 1.36                       | 5.60                           | 21.53                                |
| 600.0              | 12.13        | 12.36 | 12.34 | 24.04               | 25.34 | 25.78 | 1.51                      | 1.39                       | 5.81                           | 21.66                                |
| 650.0              | 12.15        | 12.38 | 12.36 | 23.29               | 24.61 | 25.05 | 1.55                      | 1.41                       | 5.47                           | 21.67                                |
| 700.0              | 12.16        | 12.40 | 12.38 | 22.64               | 23.96 | 24.42 | 1.58                      | 1.44                       | 5.59                           | 21.64                                |
| 750.0              | 12.15        | 12.39 | 12.37 | 22.06               | 23.42 | 23.86 | 1.62                      | 1.47                       | 5.33                           | 21.61                                |
| 800.0              | 12.10        | 12.35 | 12.33 | 21.60               | 22.94 | 23.40 | 1.65                      | 1.49                       | 5.40                           | 21.69                                |
| 850.0              | 12.06        | 12.31 | 12.28 | 21.17               | 22.53 | 22.98 | 1.68                      | 1.52                       | 5.07                           | 21.80                                |
| 900.0              | 11.99        | 12.24 | 12.22 | 20.82               | 22.18 | 22.65 | 1.71                      | 1.54                       | 5.22                           | 21.65                                |
| 950.0              | 11.90        | 12.15 | 12.13 | 20.54               | 21.92 | 22.39 | 1.74                      | 1.56                       | 5.00                           | 21.71                                |
| 1000.0             | 11.79        | 12.05 | 12.03 | 20.33               | 21.71 | 22.19 | 1.76                      | 1.58                       | 5.01                           | 21.60                                |