

# Low Noise Amplifier

# ZQLSC-1100

## Typical Performance Data

| FREQUENCY<br>(MHz) | GAIN<br>(dB)<br>24V | DIRECTIVITY<br>(dB)<br>24V | VSWR<br>IN<br>(:1)<br>24V | VSWR OUT<br>(:1)<br>24V | NOISE<br>FIGURE<br>(dB)<br>24V | Pout at<br>1dB Comp.<br>(dBm)<br>24V | FREQUENCY<br>(MHz) | Output<br>IP3<br>(dBm)<br>24V |
|--------------------|---------------------|----------------------------|---------------------------|-------------------------|--------------------------------|--------------------------------------|--------------------|-------------------------------|
| 600.0              | 20.97               | 11.90                      | 1.66                      | 1.24                    | 0.87                           | 17.50                                | 600.0              | 32.33                         |
| 650.0              | 20.75               | 11.30                      | 1.61                      | 1.10                    | 0.76                           | 17.85                                | 700.0              | 34.09                         |
| 700.0              | 20.42               | 11.10                      | 1.56                      | 1.08                    | 0.68                           | 18.09                                | 800.0              | 34.87                         |
| 750.0              | 20.03               | 10.90                      | 1.51                      | 1.14                    | 0.60                           | 18.35                                | 850.0              | 35.10                         |
| 800.0              | 19.60               | 11.00                      | 1.46                      | 1.19                    | 0.56                           | 18.36                                | 900.0              | 35.29                         |
| 850.0              | 19.17               | 11.10                      | 1.40                      | 1.23                    | 0.54                           | 18.34                                | 1000.0             | 35.95                         |
| 900.0              | 18.71               | 11.20                      | 1.35                      | 1.24                    | 0.55                           | 18.48                                | 1100.0             | 36.02                         |
| 950.0              | 18.25               | 11.40                      | 1.29                      | 1.25                    | 0.55                           | 18.56                                |                    |                               |
| 1000.0             | 17.79               | 11.70                      | 1.24                      | 1.24                    | 0.58                           | 18.54                                |                    |                               |
| 1050.0             | 17.33               | 11.90                      | 1.20                      | 1.23                    | 0.61                           | 18.66                                |                    |                               |
| 1100.0             | 16.86               | 12.20                      | 1.17                      | 1.21                    | 0.64                           | 18.90                                |                    |                               |

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