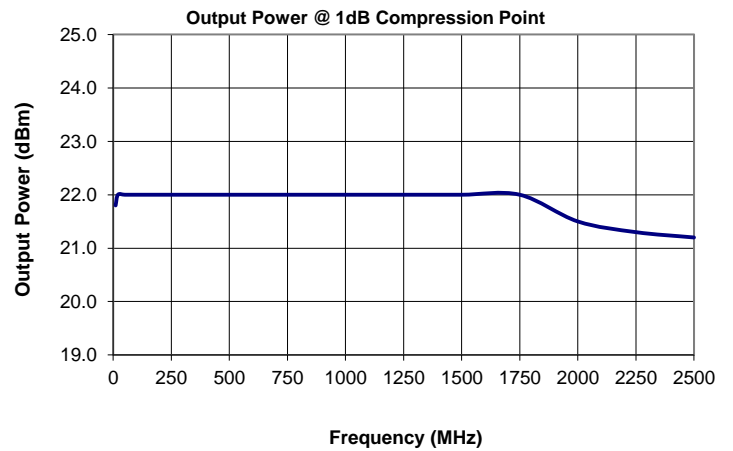
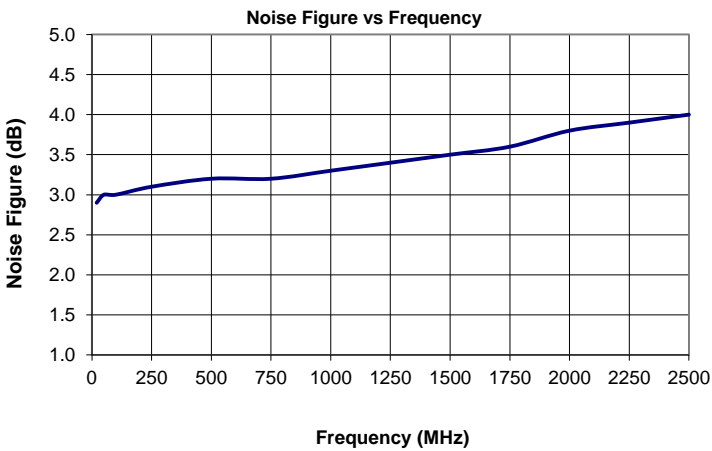
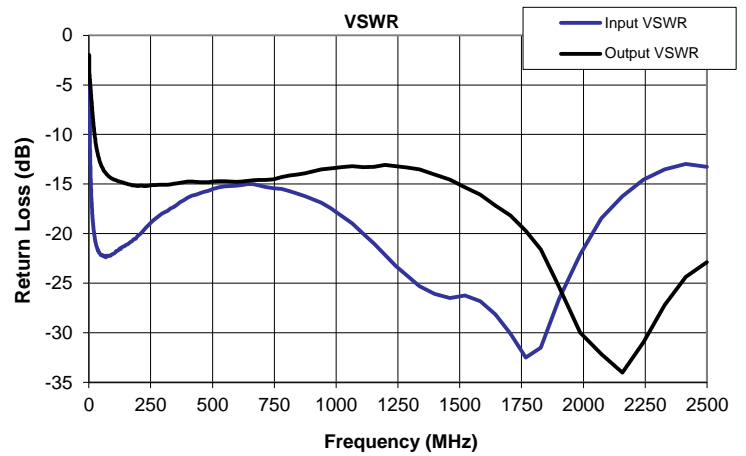
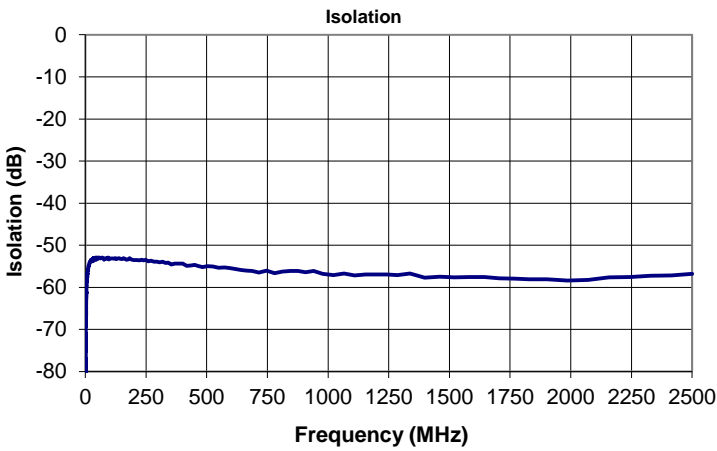
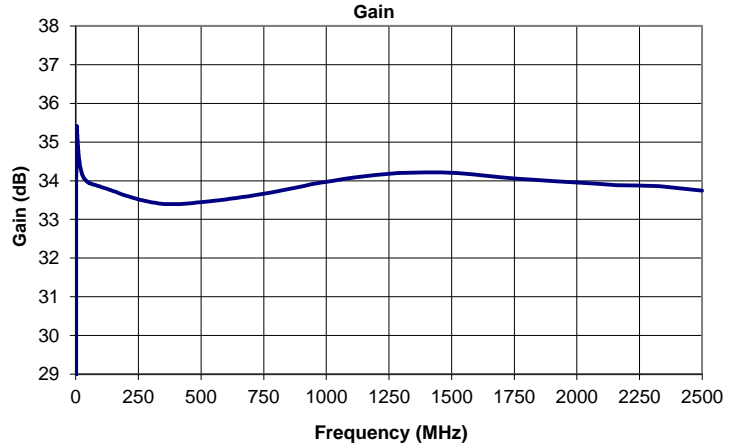


AM-1358

Features

- Very Broadband
- Medium Power
- Internally regulated to +5V
- Reverse voltage protected
- Usable to +30V with Heatsinking

**Typical
Data**



100 Davids Drive, Hauppauge, NY 11788
TEL.: (631) 439-9220 • FAX: (631) 436-7430
e-mail: components@miteq.com • www.miteq.com

AM-1358

| Freq. (MHz) | Gain (dB) | Isol. (dB) | Input VSWR (dBRL) | Output VSWR (dBRL) | S21 Delay Ns |
|-------------|-----------|------------|-------------------|--------------------|--------------|
| 1.0 | 19.5 | -103.3 | -3.5 | -2.0 | 392.3 |
| 1.0 | 20.8 | -86.7 | -3.9 | -2.0 | 412.8 |
| 1.1 | 21.9 | -80.4 | -4.4 | -2.0 | 394.8 |
| 1.1 | 23.0 | -83.1 | -4.8 | -2.1 | 390.8 |
| 1.2 | 23.9 | -81.2 | -5.4 | -2.1 | 383.8 |
| 1.2 | 25.0 | -78.3 | -5.9 | -2.1 | 379.2 |
| 1.3 | 25.9 | -84.5 | -6.4 | -2.2 | 373.4 |
| 1.3 | 26.9 | -76.9 | -6.9 | -2.2 | 359.4 |
| 1.4 | 27.7 | -81.1 | -7.5 | -2.3 | 356.0 |
| 1.4 | 28.6 | -76.8 | -8.1 | -2.4 | 346.5 |
| 1.5 | 29.4 | -75.7 | -8.7 | -2.5 | 335.5 |
| 1.6 | 30.1 | -72.4 | -9.2 | -2.6 | 325.7 |
| 1.6 | 30.8 | -72.6 | -9.5 | -2.8 | 313.8 |
| 1.7 | 31.4 | -75.2 | -9.7 | -2.9 | 303.7 |
| 1.7 | 32.0 | -71.0 | -9.8 | -3.0 | 290.2 |
| 1.8 | 32.5 | -73.2 | -9.8 | -3.1 | 277.6 |
| 1.9 | 32.9 | -67.7 | -9.7 | -3.3 | 263.5 |
| 1.9 | 33.3 | -69.1 | -9.5 | -3.4 | 249.4 |
| 2.0 | 33.7 | -69.2 | -9.3 | -3.6 | 235.6 |
| 2.1 | 34.0 | -68.3 | -9.1 | -3.7 | 221.2 |
| 2.2 | 34.3 | -67.8 | -8.9 | -3.8 | 206.5 |
| 2.3 | 34.5 | -66.1 | -8.8 | -3.9 | 193.3 |
| 2.4 | 34.7 | -66.1 | -8.7 | -4.0 | 178.2 |
| 2.5 | 34.9 | -65.5 | -8.7 | -4.1 | 165.3 |
| 2.6 | 35.0 | -66.9 | -8.7 | -4.2 | 151.9 |
| 2.7 | 35.1 | -64.9 | -8.7 | -4.2 | 139.9 |
| 2.8 | 35.2 | -65.1 | -8.8 | -4.3 | 128.6 |
| 2.9 | 35.3 | -64.4 | -8.9 | -4.4 | 117.4 |
| 3.0 | 35.3 | -63.5 | -9.0 | -4.4 | 108.0 |
| 3.1 | 35.4 | -64.0 | -9.1 | -4.4 | 98.6 |
| 3.3 | 35.4 | -62.5 | -9.3 | -4.5 | 89.8 |
| 3.4 | 35.4 | -63.4 | -9.5 | -4.5 | 82.3 |
| 3.5 | 35.4 | -62.6 | -9.6 | -4.5 | 75.6 |
| 3.6 | 35.4 | -62.9 | -9.8 | -4.5 | 69.0 |
| 3.8 | 35.4 | -62.1 | -10.0 | -4.6 | 63.4 |
| 4.0 | 35.4 | -62.0 | -10.3 | -4.6 | 57.9 |
| 4.1 | 35.4 | -61.2 | -10.5 | -4.6 | 53.6 |
| 4.3 | 35.4 | -61.1 | -10.7 | -4.7 | 49.2 |
| 4.5 | 35.4 | -61.4 | -10.9 | -4.7 | 45.0 |
| 4.6 | 35.3 | -60.9 | -11.2 | -4.7 | 41.9 |
| 4.8 | 35.3 | -60.7 | -11.4 | -4.8 | 38.4 |
| 5.0 | 35.3 | -60.1 | -11.7 | -4.8 | 35.2 |
| 5.2 | 35.3 | -59.8 | -11.9 | -4.9 | 32.5 |
| 5.4 | 35.3 | -59.8 | -12.2 | -4.9 | 30.0 |
| 5.6 | 35.2 | -59.7 | -12.5 | -5.0 | 27.9 |
| 5.9 | 35.2 | -59.2 | -12.8 | -5.0 | 25.5 |
| 6.1 | 35.2 | -58.7 | -13.0 | -5.1 | 23.4 |
| 6.3 | 35.2 | -58.7 | -13.3 | -5.2 | 21.8 |
| 6.6 | 35.1 | -58.6 | -13.5 | -5.2 | 19.8 |
| 6.8 | 35.1 | -58.1 | -13.7 | -5.3 | 18.3 |
| 7.1 | 35.1 | -58.1 | -14.0 | -5.4 | 16.9 |
| 7.4 | 35.0 | -57.8 | -14.3 | -5.5 | 15.8 |
| 7.7 | 35.0 | -57.6 | -14.6 | -5.6 | 14.7 |
| 8.0 | 35.0 | -57.2 | -14.9 | -5.7 | 13.6 |
| 8.4 | 34.9 | -56.7 | -15.1 | -5.8 | 12.8 |
| 8.7 | 34.9 | -56.9 | -15.3 | -5.9 | 11.7 |
| 9.0 | 34.9 | -56.3 | -15.6 | -6.0 | 10.9 |
| 9.3 | 34.8 | -56.3 | -15.7 | -6.1 | 10.1 |
| 9.7 | 34.8 | -56.2 | -16.0 | -6.2 | 9.5 |

| | | | | | |
|------|------|-------|-------|-------|-----|
| 10.1 | 34.8 | -55.9 | -16.2 | -6.4 | 8.9 |
| 10.5 | 34.7 | -55.7 | -16.5 | -6.5 | 8.0 |
| 11.0 | 34.7 | -55.8 | -16.7 | -6.7 | 7.4 |
| 11.4 | 34.7 | -55.6 | -16.9 | -6.8 | 6.8 |
| 11.9 | 34.7 | -55.5 | -17.2 | -7.0 | 6.1 |
| 12.3 | 34.6 | -55.4 | -17.3 | -7.1 | 5.9 |
| 12.8 | 34.6 | -55.2 | -17.6 | -7.3 | 5.4 |
| 13.2 | 34.6 | -54.8 | -17.8 | -7.4 | 4.9 |
| 13.8 | 34.5 | -54.9 | -18.0 | -7.6 | 4.6 |
| 14.4 | 34.5 | -54.9 | -18.2 | -7.8 | 4.3 |
| 15.0 | 34.5 | -54.7 | -18.4 | -7.9 | 4.0 |
| 15.6 | 34.5 | -54.5 | -18.6 | -8.1 | 3.7 |
| 16.2 | 34.4 | -54.5 | -18.8 | -8.3 | 3.5 |
| 16.8 | 34.4 | -54.3 | -19.0 | -8.5 | 3.3 |
| 17.5 | 34.4 | -54.3 | -19.1 | -8.7 | 3.0 |
| 18.1 | 34.4 | -54.1 | -19.3 | -8.8 | 2.8 |
| 18.8 | 34.3 | -53.9 | -19.5 | -9.0 | 2.7 |
| 19.7 | 34.3 | -53.8 | -19.7 | -9.2 | 2.5 |
| 20.5 | 34.3 | -53.8 | -19.9 | -9.4 | 2.3 |
| 21.4 | 34.3 | -53.9 | -20.0 | -9.6 | 2.2 |
| 22.3 | 34.2 | -53.6 | -20.2 | -9.8 | 2.2 |
| 23.1 | 34.2 | -53.5 | -20.3 | -10.0 | 2.0 |
| 24.0 | 34.2 | -53.5 | -20.5 | -10.2 | 2.0 |
| 24.8 | 34.2 | -53.6 | -20.6 | -10.3 | 1.8 |
| 25.7 | 34.2 | -53.5 | -20.8 | -10.5 | 1.8 |
| 26.7 | 34.1 | -53.5 | -20.8 | -10.7 | 1.6 |
| 27.9 | 34.1 | -53.5 | -20.9 | -10.9 | 1.6 |
| 29.1 | 34.1 | -53.8 | -21.1 | -11.1 | 1.6 |
| 30.3 | 34.1 | -53.1 | -21.2 | -11.3 | 1.5 |
| 31.6 | 34.1 | -53.4 | -21.3 | -11.4 | 1.4 |
| 32.8 | 34.1 | -53.0 | -21.4 | -11.6 | 1.4 |
| 34.0 | 34.1 | -53.1 | -21.5 | -11.7 | 1.3 |
| 35.2 | 34.0 | -53.6 | -21.6 | -11.9 | 1.3 |
| 36.6 | 34.0 | -53.3 | -21.6 | -12.0 | 1.3 |
| 38.2 | 34.0 | -53.0 | -21.8 | -12.2 | 1.2 |
| 39.9 | 34.0 | -53.2 | -21.8 | -12.4 | 1.2 |
| 41.6 | 34.0 | -53.2 | -21.9 | -12.5 | 1.2 |
| 43.3 | 34.0 | -52.9 | -22.0 | -12.6 | 1.1 |
| 45.0 | 34.0 | -53.5 | -22.0 | -12.8 | 1.1 |
| 46.6 | 34.0 | -53.1 | -22.1 | -12.9 | 1.1 |
| 48.3 | 34.0 | -52.9 | -22.2 | -13.0 | 1.1 |
| 50.0 | 34.0 | -53.1 | -22.1 | -13.1 | 1.1 |