



High Power Amplifier

| Part No. | BW (MHz) | Freq. (MHz) | Gs (dB) | P1 (dBm) | OIP3/tone (dBm) | NF (dB) | Vc (V) | Ic (mA) | PKG | Application Note | S-Parameter |
|----------|----------|-------------|---------|----------|-----------------|---------|--------|---------|-------|-----------------------------------|-------------|
| BT301 | 500-4000 | 900 | 18.5 | 29.5 | 49.0 | 8.5 | 5.0 | 350 | SOIC8 | BT301_APP | BT301.S2P |
| | | 1900 | 12.5 | 30.3 | 49.0 | 8.6 | | | | BT301_3.5G__App | |
| | | 2100 | 11.5 | 30.3 | 47.0 | 7.5 | | | | | |
| | | 2400 | 10.5 | 30.3 | 49.0 | 7.5 | | | | | |
| | | 3500 | 7.6 | 27.9 | 42.5 | 7.3 | | | | | |
| BT331 | 700-2700 | 900 | 19.8 | 32.0 | 49.0 | 4.8 | 5.0 | 410 | SOIC8 | BT331_App | BT331.S2P |
| | | 1900 | 14.0 | 33.2 | 52.0 | 5.0 | | | | BT331_738_793_App | |
| | | 2140 | 13.2 | 32.6 | 52.0 | 5.0 | | | | BT331_3.5G__App | |
| | | 2600 | 12.1 | 31.2 | 47.0 | 5.4 | | | | | |

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| Part No. | BW (MHz) | Freq. (MHz) | Gs (dB) | P1 (dBm) | OIP3/tone (dBm) | NF (dB) | Vc (V) | Ic (mA) | PKG | Application Note | S-Parameter | |
|---------------|-----------|-------------|---------|----------|-----------------|---------|--------|---------|-----|------------------|---------------------------|-------------------|
| | | 3500 | 10.7 | 29.5 | 45.8 | | 6.2 | | | | | |
| BT33L | 200-1000 | 200 | 25.7 | 31.8 | 43.0 | 20dBm | 8.6 | 5.0 | 400 | QFN 4x4 | - | |
| | | 540 | 23.4 | 32.4 | 47.5 | | 6.5 | | | | - | |
| | | 700 | 22.0 | 33.0 | 48.5 | | 6.8 | | | | - | |
| | | 900 | 21.3 | 32.7 | 47.5 | | 6.8 | | | | - | |
| BMT321 | 1500-2800 | 1700 | 27.8 | 32.4 | 50.0 | 17dBm | 5.8 | 5.0 | 376 | QFN 3x3 | - | |
| | | 1800 | 27.4 | 32.4 | 50.0 | | 5.3 | | | | - | |
| | | 1900 | 27.0 | 32.5 | 50.0 | | 5.0 | | | | - | |
| | | 2140 | 26.0 | 32.4 | 50.0 | | 5.2 | | | | - | |
| | | 2650 | 23.8 | 32.0 | 50.0 | | 5.0 | | | | - | |
| BMT332 | 700-2400 | 850 | 33.7 | 33.8 | 50.0 | 23dBm | 6.9 | 5.0 | 680 | QFN 5x5 | BMT332_App | BMT332.S2P |
| | | 1750 | 28.0 | 33.5 | 49.0 | | 6.0 | | | | BMT332_738_793_App | |
| | | 1850 | 27.3 | 33.3 | 48.0 | | 6.0 | | | | | |
| | | 1960 | 26.7 | 33.1 | 48.0 | | 5.6 | | | | | |
| | | 2140 | 26.0 | 33.1 | 47.0 | | 5.5 | | | | | |
| | | 2350 | 24.0 | 33.1 | 48.0 | | 5.4 | | | | | |

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|---------------------------------|-----------|-------------|---------|----------|---------------------------------|---------|--------|---------|----------------|------------------|-------------------|
| BMT333 | 1800-2700 | 1800 | 29.7 | 32.9 | 45.1 | 23dBm | 5.0 | 550 | QFN 5x5 | BMT333_App | BMT333.S2P |
| | | 2350 | 27.4 | 34.1 | 50.0 | | | | | | |
| | | 2550 | 26.2 | 33.3 | 48.3 | | | | | | |
| | | 2650 | 25.5 | 33.5 | 48.2 | | | | | | |
| BT301 Art work information | | | | | BT331 Art work information | | | | | | |
| BT301_SOIC8_900MHz_Rev1 | | | | | BT331_SOIC8_900MHz_Rev1 | | | | | | |
| BT301_SOIC8_1900MHz_Rev1 | | | | | BT331_SOIC8_1900MHz_Rev1 | | | | | | |
| BT301_SOIC8_2140MHz_Rev1 | | | | | BT331_SOIC8_2140MHz_Rev1 | | | | | | |
| BT301_SOIC8_2450MHz_Rev1 | | | | | BT331_SOIC8_2450MHz_Rev1 | | | | | | |
| BMT332 Art work information | | | | | BMT333 Art work information | | | | | | |
| BMT332_QFN_850MHz_Rev2 | | | | | BMT333_QFN_1800MHz_Rev1 | | | | | | |
| BMT332_QFN_1750MHz_Rev2 | | | | | BMT333_QFN_2350MHz_Rev1 | | | | | | |
| BMT332_QFN_1850MHz_Rev2 | | | | | BMT333_QFN_2550MHz_Rev1 | | | | | | |
| BMT332_QFN_1960MHz_Rev2 | | | | | BMT333_QFN_2650MHz_Rev1 | | | | | | |
| BMT332_QFN_2140MHz_Rev2 | | | | | - | | | | | | |
| BMT332_QFN_2350MHz_Rev2 | | | | | - | | | | | | |