

Features: (typical values)

- Output Power – 1.0 W. @ 1dB. compression,
- IP3 – 45 dBm.
- IP2 – 70 dBm.
- Unconditional Stability

**1.5 - 32.0 MHz
18.0 dB Push-Pull Amplifier**



Maximum Ratings

Storage temperature -55°C to +125°C
 DC Operating Voltage +17.0 volts
 RF Input Voltage +15dBm. Max.
 Operating Base Temp. -40 to +90°C

Specifications @ Tcase = 25°C, Vcc = 15V, 50 ohm systems unless otherwise noted.

| Parameter | Typical Conditions | Min Value | Max Value | Units |
|--|--------------------|-----------|-----------|-------|
| Frequency Range | | 1.5 | 32 | MHz. |
| Power Gain | 18 | 17 | | dB. |
| Gain Flatness (peak to peak) | 0.5 | | 1.0 | dB. |
| Input VSWR | 1.3 | | 1.5:1 | - |
| Output VSWR | 1.3 | | 1.5:1 | - |
| Noise Figure | 3.5 | | 4 | dB. |
| Power Output- 1dB Compression | 30 | 28 | | dBm. |
| Third Order Intercept (IP3)@ 15 dBm per tone | 45 | 41 | | dBm. |
| Second Order Intercept (IP2) @ 15 dBm per tone | 70 | 57 | | dBm. |
| Supply Current @ 15 Volts | 210 | | 240 | mA. |

