

**Features: (typical values)**

- Output Power – 27dbm. @ 1dB. compression,
- IP3 – 42 dBm.
- IP2 – 80 dBm.
- Unconditional Stability

**2 - 20.0 MHz  
Push-Pull Amplifier**



**Maximum Ratings**

Storage temperature ..... -55°C to +125°C  
 DC Operating Voltage ..... +13.0 volts  
 RF Input Voltage ..... +33dBm. Max.  
 Operating Base Temp. .... -15 to +85°C

Specifications @ Tcase = 25°C, Vcc = 12V, 50 ohm systems unless otherwise noted.

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		2	20	MHz.
Power Gain	18	17	19	dB.
Gain Flatness (peak to peak)	±0.3		±1.0	dB.
Gain Matching over temp	±0.3		±0.5	dB
Phase Matching over temp	±2.0		±3.0	Deg
Phase Tracking over temp	±0.3		±0.5	Deg
Input VSWR	1.3		1.5:1	-
Output VSWR	1.3		1.5:1	-
Reverse Isolation	25.0			dB
Noise Figure	3.0		3.5	dB.
Power Output- 1dB Compression	27	26		dBm.
Third Order Intercept (IP3)@ 15 dBm per tone	42	40		dBm.
Second Order Intercept (IP2) @ 15 dBm per tone	80	75		dBm.
Supply Current @ 12 Volts	200		230	mA.
Operating Temperature -15C to +85C				

