

Bi-Directional 2.4 GHz Amplifier

- 1 Watt RF Power Output
- 16 dB Receive Gain with Bandpass Filter

16 - 22 are GHz bypass
 1000 pF are MHz bypass
 0.1 uF are kHz bypass
 RF connectors are SMA or N
 Capacitors are ceramic SMT unless noted otherwise
 Use Teflon PCB material or other low dielectric material (if possible)
 All resistors are chip style carbon film, 5%
 0603 or 0402 in RF or RF bypass sections
 0805 for other

50 ohm striplines
 1.4 mm wide on $\epsilon_r = 4.34$, 0.79 mm thick, double sided FR-4 copper clad board

