

**Linearized Band Power Amplifier
0.5 Watts
PART NUMBER: BTL-xxxx-57-0.5**

Parameter	Specifications
Frequency Range	380-430 MHz (BTL-405-57-0.5)
Alternate Frequency Bands	430-470 MHz (BTL-0450-57-0.5) 876-915 MHz (BTL-895-57-0.5) 921-960 MHz (BTL-940-57-0.5) 1710-1785 MHz (BTL-1747-57-0.5) 1920-1980 MHz (BTL-1950-57-0.5) 2500-2570 MHz (BTL-2535-57-0.5)
RF Output Power	27 dBm (0.5 Watts)
RF Gain	57 ± 1 dB
RF Gain flatness	± 0.5 dB
RF Gain change Temp	± 0.5 dB
IMD 100 KHz spacing	-57 dBc
IMD 2500 KHz spacing	-57 dBc
Dynamic Range	≥ 30 dB
Input/Output RL	15 dB/18 db min
Output Protection	Isolator
DC Input Power	+28 Vdc
DC Current	1.0 A max
Cooling	Conduction through base plate
Package Dimensions/ Outline	Package Style S-100140
Operating Temperature	-30° to + 80° C

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I/O Interfaces
Control & Alarm (Header 2x5 pin)

Pin Number	Function
1	Fault Indication
2	RF Pwr Enable
3	Fault Reset
4	Temp
5	Fwd Pwr
6	Rev Pwr
7, 8	Ground
9, 10	+28V