

**Linearized Power Amplifier
10 Watts
PART NUMBER: BTL-xxxx-60-10**

Parameter	Specifications
Frequency Range	921-960 MHz (BTL-0940-60-10)
Alternate Frequency Bands	869-894 MHz (BTL-0881-60-10) 1805-1880 MHz (BTL-1842-60-10) 1930-1990 MHz (BTL-1960-60-10) 2110-2170 MHz (BTL-2140-60-10)
RF Output Power	40 dBm (10 Watts)
RF Gain	60 ± 1dB
RF Gain flatness	± 0.5 dB
RF Gain change Temp	± 0.5 dB
IMD 100 KHz spacing	-69 dBc
IMD 2500 KHz spacing	-69 dBc
Dynamic Range	≥30 dB
Input/Output RL	15 dB/18 db min
Output Protection	Isolator
DC Input Power	+28 Vdc
DC Current	4.0 A max
Cooling	Conduction through base plate
Package Dimensions/ Outline	Package Style S-10
Operating Temperature	-30° to + 80° C

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**I/O Interfaces
Control & Alarm (17W2 Pin Hybrid D-sub Male Connector)**

Pin Number	Function	Description
A1	+28 VDC return	
A2	+28 VDC	
1	Fault Reset	Digital input, active low
2	RF Power Enable	Digital input, active low
3,4,5,6,8,11,13,15	Unused	
7	Fault Indication	Digital Output, active low
9	Signal Ground	
10	Baseplate Temperature Sense	Analog, 2.5V @ +25°C
12	Forward RF Power Detector	Analog, from 40dBm to 23 dBm, 3.3V to .7V, .14V/dB
14	Reverse RF Power Detection	Analog, from 40dBm to 23 dBm, 3.3V to .7V, .14V/dB