Solid State Power Amplifier
100 to 2000 MHz, 10 Watts
MODEL BME1829-10

Features:
- GaN Technology
- Wide Band Operation
- Compact & Light Weight
- Military Environment

PERFORMANCE SPECIFICATIONS

ELECTRICAL
- Frequency Range: 100 to 2000 MHz
- RF Output Power: 10 Watts
- RF Gain: 47 dB ± 3.0 dB
- RF Input Overdrive: +10 dBm
- Input VSWR: 2:1 maximum
- Harmonic Rejection: -15 dBC
- Spurious Signals: -60 dBc
- Class of Operation: AB Linear
- DC Input: +28 VDC ± 8V
- DC Current: 1.72A typical @ 28V
- PA Enable: <10 µs
- Load VSWR: Infinite

ENvironmentAL
- Temperature:
  - Operating: -40°C to +85°C Base Plate
  - Storage: -40°C to +85°C
- Altitude:
  - Operating: 30,000 feet
  - Non-Operating: 40,000 feet
- Shock: MIL-STD-810F Method 516.5
- Vibration: MIL-STD-810F Method 514.5
- Humidity: 95% without condensation
- Cooling: Conduction cooled

PHYSICAL
- Size: 4.0” x 2.5” x 1.35”
- Weight: < 1.0 lbs.

Model BM1829-10 is a Class AB linear amplifier, which operates over the full 100 to 2000 MHz frequency range; proving a minimum of 10 Watts over temperature and load VSWR variations. The amplifier is very compact (4.0” x 2.5” x 1.35”) and weighs less than 1 pound. Operates between 20-36VDC for applications in Mounted, Dismounted and Airborne Systems.

Contact your local Comtech PST representative, or visit us at www.comtechpst.com.
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