

## NEW PRODUCT RELEASE

# Solid State Power Amplifier 800 to 2500 MHz, 20 Watts MODEL BM88258-20

### Features:

- Solid State Design
- Wide Band Operation
- Compact & Light Weight
- Military Environment



## PERFORMANCE SPECIFICATIONS

### ELECTRICAL

- Frequency Range: 800 to 2500 MHz
- RF Output Power: 20 Watts
- RF Gain: 48 dB  $\pm$  1.5 dB
- RF Input Overdrive: +10 dB
- Input VSWR: 2:1 maximum
- Harmonic Rejection: -25 dBc
- Spurious Signals: -60 dBc
- Class of Operation: AB Linear
- DC Input: +28 VDC
- DC Current: 3.2 A typical
- PA Enable: 20  $\mu$ s
- Load VSWR: Infinite

### ENVIRONMENTAL

- Temperature:
  - Operating: -40°C to +80° Mounting Base Temperature
  - 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: Baseplate

### PHYSICAL

- Size: 6.4" x 2.5" x 1.0"
- Weight: 2 lbs.

Model BM88258-20 is a Class AB linear amplifier, which operates over the full 800 to 2500 MHz frequency range with output power of 20 watts. The amplifier is very compact (6.4" X 2.5" X1.06") and weighs only 2 pounds.

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