

# Solid State Power Amplifier 20 to 1000 MHz, 125 Watts MODEL BM2719-125

## Features:

- Solid State Design
- Wide Band Operation
- Compact & Light Weight
- Military Environment
- 90° Quad Combiners



## PERFORMANCE SPECIFICATIONS

### ELECTRICAL

- Frequency Range: 20 to 1000 MHz
- RF Output Power: 125 Watts
- RF Gain: 53 dB  $\pm$  1.5 dB
- RF Input Overdrive: +10 dBm
- Input VSWR: 2:1 maximum
- Harmonic Rejection: -18 dBc
- Spurious Signals: -60 dBc
- Class of Operation: AB Linear
- DC Input: +28V
- DC Current: 13A typical
- PA Enable: 20  $\mu$ s
- Load VSWR: Infinite

### ENVIRONMENTAL

- Temperature:
  - Operating: -40°C to +85° 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 6.7" x 1.5"
- Weight: 5 lbs.

Model BM2719-125 is a Class AB linear amplifier, which operates over the full 20 to 1000 MHz frequency range with output power of 125 watts. The amplifier is very compact (6.4" x 6.7" x 1.5) and weighs only 5 pounds.

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