

Solid State Power Amplifier

20 to 1000 MHz, 125 Watts

MODEL BME2719-125

Features:

- Latest GaN Technology
- Wide Band Operation
- 18-36VDC Input Range
- Compact & Light Weight
- 90° Quad Combiners
- Full Power Into 3:1 VSWR



PERFORMANCE SPECIFICATIONS

ELECTRICAL

- Frequency Range: 20 to 1000 MHz
- RF Output Power: 125 Watts
- RF Output Power: 150 Watts Sat.
- RF Gain: 52 dB Min.
- RF Gain Flatness; +/- 3 dB Typical
- RF Input Overdrive: +10 dBm
- Input VSWR: 2:1 maximum
- Harmonics 2nd: -20 dBc
- Harmonics 3rd: -15 dBc
- Spurious Signals: -60 dBc
- Class of Operation: AB Linear
- DC Input: +18-36VDC +28 Nominal
- DC Input: Optional +250-280VDC
- DC Current: 18A Max
- PA Enable: 2 μ s
- Load VSWR: Infinite

ENVIRONMENTAL

- Temperature:
 - Operating: -40°C to +85° Mounting Base Temperature
 - Storage: -40°C to +95°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: 6.8" x 6.8" 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 into a Load VSWR of 3:1. The amplifier is very compact (6.8" x 6.8" x 1.5) and weighs only 5 pounds.

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