## Solid State Power Amplifier
### 20 to 1000 MHz, 150 Watts
**MODEL BME2719-150**

### Features:
- Latest GaN Technology
- Efficiency > 30% Typical
- Reliable in Extreme Temp
- Built in Self-Protection
- Wide Band Operation
- 18-32VDC Input Range

### PERFORMANCE SPECIFICATIONS

#### ELECTRICAL
- Frequency Range: 20 to 1000 MHz
- RF Output Power: 150 Watts min.
- RF Output Power: 170 Watts Psat.
- RF Gain: 55 dB Min.
- RF Gain Flateness: +/- 3 dB Typical
- RF Input Overdrive: +10 dBm
- Modulation: CW/Pulse, AM/FM, Digital
- Input VSWR: 2:1 max.
- Harmonics 2nd: -20 dBc
- Harmonics 3rd: -18 dBc
- Spurious Signals: -60 dBc
- Class of Operation: AB Linear
- PA Enable: 2 µs Typical
- Load VSWR: 2:1 Full Power, Reduce >2:1
- RF Input: SMA Female
- RF Output: TNC Female
- DC Input: 18-32VDC, 650W max.

#### ENVIRONMENTAL
- Temperature:
  - Operating: -40°C to +85°C 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: 6.67” x 6.61” x 1.61”
- Weight: 4.0 lbs. max.

Model BM2719-150 is a highly efficient Class AB linear amplifier, which operates over the full 20 to 1000 MHz frequency range with output power of 150 watts into a Load VSWR of 2:1. This rugged amplifier was designed for reliable operation in harsh environments. The amplifier is very compact (6.67” x 6.61” x 1.61”), operates from unregulated DC power and weighs only 4 pounds.

Contact your local Comtech PST representative, or visit us at [www.comtechpst.com](http://www.comtechpst.com).
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SPECIFICATIONS ARE SUBJECT TO CHANGE Certified for Public Release (CPST PRM-21-02)