

Solid State Power Amplifier 20 to 1000 MHz, 80 Watts MODEL BME2719-80

Features:

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



PERFORMANCE SPECIFICATIONS

ELECTRICAL

- Frequency Range: 20 to 1000 MHz
- RF Output Power: 80 Watts
- RF Output (Saturated): 100 Watts
- RF Gain: +49 dB \pm 2.0 dB
- RF Input Overdrive: +10 dB
- Input VSWR: 2:1 maximum
- Harmonic Rejection (2FO): -20 dBc
- Harmonic Rejection (3FO): -18 dBc
- Spurious Signals: -60 dBc
- Class of Operation: AB Linear
- DC Input: +28 VDC
- DC Current: 15 A maximum
- PA Enable: 20 μ 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: 9" x 6.75" x 1.5"
- Weight: 3 lbs.

Model BM2719-80 is a Class AB linear amplifier, which operates over the full 20 to 1000 MHz frequency range with output power of 80 watts. The amplifier design utilizes 90 degree quadrature combiners for reduced harmonics and excellent power transfer into high load VSWR.

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

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SPECIFICATIONS ARE SUBJECT TO CHANGE
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