

Solid State Amplifier

20 - 1000 MHz, 150 Watts — Model BME2719-150

This BME2719-150 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, operates from unregulated DC power and is light weight.



KEY FEATURES

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

SPECIFICATIONS

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




Environmental	
Temperature	
Operating	-40°C to +85°C Mounting Base
Storage	-40°C to +95°C
Altitude	
Operating	30,000 ft
Non-operating	40,000 ft
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

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