

# Solid State Power Amplifier Module

## 500-2700 MHz, 100 Watts — Model BME58278-100

Model BME58278-100 is a Class AB linear amplifier, which operates over the full 500 to 2700 MHz frequency range with output power of 100 watts minimum into a 2:1 VSWR. The amplifier is very compact (8" x 6" x 1.8) and weighs <5 pounds.



### KEY FEATURES

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

### SPECIFICATIONS

Electrical	
Frequency Range	500 to 2700 MHz
RF Output Power	100 Watts (P3dB)
RF Gain	52.5 dB + 3.5 dB
RF Input Overdrive	+20 dBm
Input VSWR	2:1 maximum
Harmonic Rejection	-13 dBc
Spurious Signals	-60 dBc
Class of Operation	AB Linear
DC Input	+18-36V (internal DC Reg.)
DC Current	15A typical
PA Enable	<5 $\mu$ s
Load VSWR	Infinite




Environmental	
<b>Temperature</b>	
Operating	-40°C to +85°C Mounting Base
Storage	-40°C to +85°C
<b>Altitude</b>	
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	8" x 6" x 1.8"
Weight	4 lbc

#### Power Systems Technology (PST)

105 Baylis Road | 417 Boston St.  
 Melville, NY 11747 | Topsfield, MA  
 T: 613-777-8900 | T: 978-997-5754



StellantSystems.com     
[Sales-PST@stellantsystems.com](mailto:Sales-PST@stellantsystems.com)  
[info@stellantsystems.com](mailto:info@stellantsystems.com)