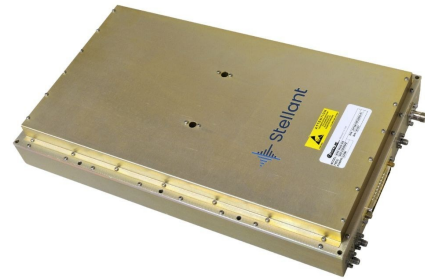


Data Link Power Amplifier Module

800 - 2500 MHz, 250 Watts — Model BME88258-250



Stellant PST introduces the most powerful solid-state RF modules available. Enhancing RF power density and efficiency, these highly integrated GaN amplifiers excel in communication, electronic warfare, and radar transmitters across ground, surface, and airborne platforms.

KEY FEATURES

- Highest Power Density to Footprint Ratio
- Ultra Wideband Operation
- Highest Efficiency Over the Entire Bandwidth
- Rugged and Reliable
- Extreme Temperature Range Usage
- RF Input/Output Sample Ports
- Internal DC to DC Converters
- Optional T/R Pin Switch Available
- Suitable Building Block for Rack Mounted Systems

SPECIFICATIONS




Frequency Range	800-2500 MHz
RF Power Output (P3dB)	250 Watts Typical
Saturated Power Output (Psat)	280 Watts
RF Input Range	-15 to -8 dBm Typical
RF Input Overdrive	20 dBm max
DC Bias	AB Linear
Modulation Format	Multi-tone, CW, AM, FM, Pulse
Input VSWR	2.0:1 Typical
Output Load VSWR	2.0:1 Typical
Harmonic (In Band 2nd/3rd)	<-13 dBc Typical
IM Products (4 tones)	<-12 dBc Typical
Spurious	<-60 dBc
Stability	Open/Short Tested
Built in Test	Composite Fault Indication

RF In/RF Out Sample Ports	Yes
Control Interface	RS-422
PA Enable/Disable	Low Volt. TTL (<5µS) 3.3V
DC Input	18-32 Vdc
DC Power @ 28V	1200W Typical
Noise Power Output	-80 dBm/Hz typical
RF Connectors	
RF Input and Sample Ports	SMA (3X)
RF Output	TNC-Female
Interface Connector	D-Subminiature
Operating Temperature	-40 to 85°C baseplate (external heatsink required)
Environmental	Shock/Vibration MIL-STD-810F
Size	15" x 9" x 2.25"
Weight	16.2 lbs.

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