

MILMEGA 'AS' Series Solid State Amplifier Range

Model: AS0860B-100/100 Dual Band Amplifier

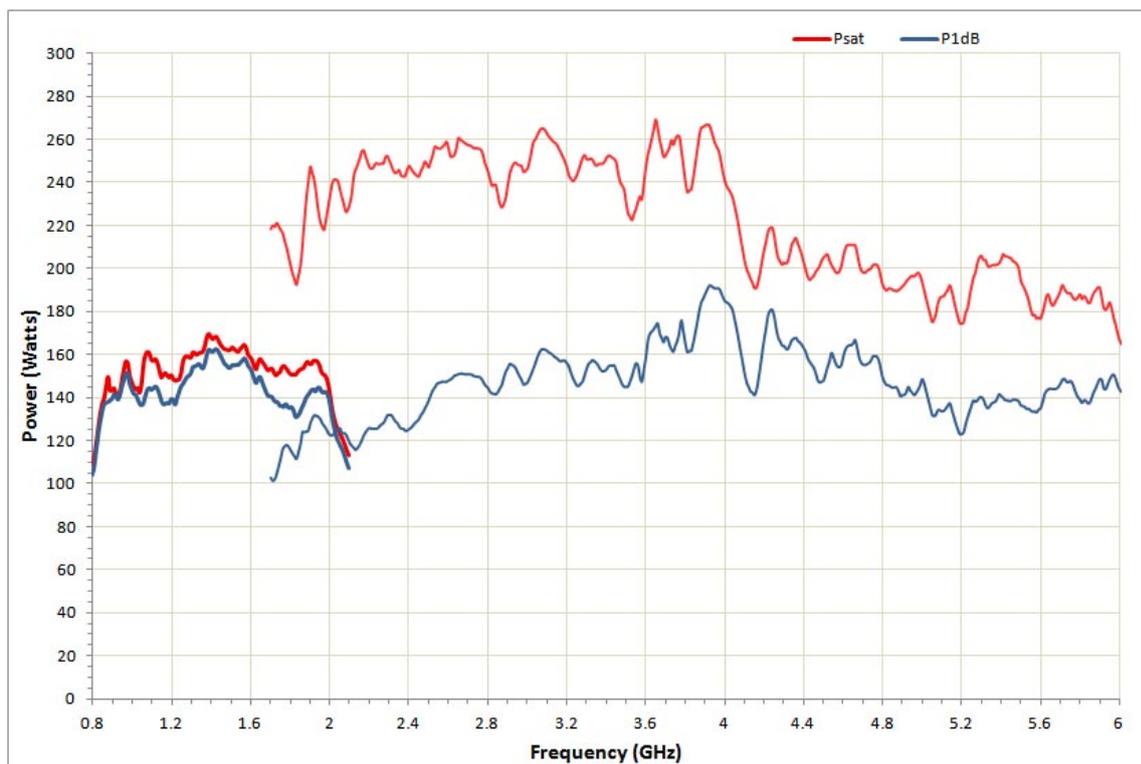


The AS0860B series of solid state power amplifiers follows the MILMEGA tradition for compact, upgradeable microwave power amplifier solutions with field proven reliability.

Developed to cover the frequency band 0.8- 6.0GHz in two bands (0.8 GHz to 2.0 GHz and 1.8 GHz to 6.0 GHz)

Where the transition from the low band to the high band amplifier is required to take place at a higher frequency, please see either the AS0860 range (0.8 GHz to 2.5 GHz and 1.8 GHz to 6.0 GHz) or AS0860A range (0.8 GHz to 2.7 GHz and 1.8 GHz to 6.0 GHz)

- Calibrated Dual Directional Coupler fitted as standard
- Ethernet, USB and RS232 or GPIB and RS232 included in price
- Unique 5 year parts and labour warranty on all MILMEGA amplifiers.



Amplifier Specification

<i>Band Dependant Parameters</i>	0.8 to 1.0GHz	1.0 to 2.0 GHz	1.8 to 6.0GHz
Psat (min)	102 W	110W	120 W
P1dB (min)	91W	100W	100W
Gain (min)	50dB	50dB	49dB
Gain Variation (max)	+/- 2.0dB	+/- 2.0dB	+/-3dB
Third order intercept point IP3	10dB > P1dB	10dB > P1dB	8dB> P1dB
Noise figure	6.0dB	6.0dB	8.0 dB

<i>System Parameters</i>	
Harmonics at P1dB	-20 dBc
Input Power (no damage)	+15 dBm
Output VSWR tolerance	Infinite any phase
Stability	Unconditional
Output impedance	50 Ohm
Output VSWR	2:1
Input VSWR	2:1
Spurious	-70 dBc (min) -80 dBc (typical)
Safety interlock	Via rear panel D-sub connector
Supply Voltage - 1 Phase	90 to 132 or 180 to 264 Vac
Supply Frequency	47 to 63 Hz
Supply Power	1.0 kVA (typical full power)
RF Input	Type N female
RF Output	Type N female
Dimension	19 inch, 12U rack, 527mm Deep
Weight	130kg

Amplifiers that meet today's and tomorrow's needs through upgradability.



Specifications subject to change without notice. MILMEGA is an ISO accredited Company. Products are designed and manufactured under strict quality and environmental requirements of ISO 9001.



RF/Microwave Amplifiers

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