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ELECTROMAGNETIC COMPATIBILITY.

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COMPLIANCE TEST SOLUTIONS

MILMEGA

RF/Microwave Amplifiers

MILMEGA 'AS' Series Solid State Amplifier Range

Model: AS0860-40/25
Dual Band Amplifier

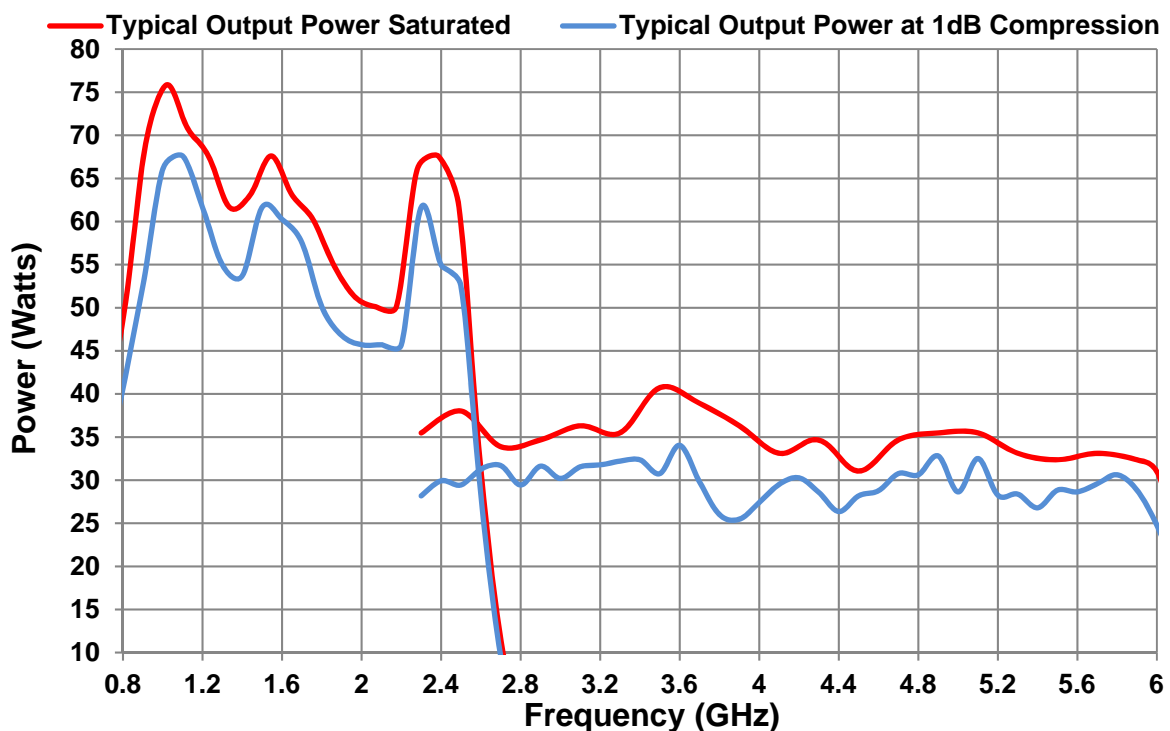


- Calibrated Dual Directional Coupler fitted as standard
- Ethernet, USB and RS232 or GPIB and RS232 included in price
- Unique 5 year parts and labour warranty on all MILMEGA amplifiers.

The AS0860 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 2.5 GHz and 2.5 GHz to 6.0 GHz)

Where the transition from the low band to the high band amplifier should take place at a different frequency, please see either the AS0860A range (0.8 GHz to 2.7 GHz and 1.8 GHz to 6.0 GHz) or AS0860B range (0.8 GHz to 2.2 GHz and 1.8 GHz to 6.0 GHz)



Amplifier Specification

<i>Band Dependant Parameters</i>	0.8 to 2.5GHz	2.5 to 6.0GHz
Psat (min)	46 W	28 W
P1dB (min)	40 W	25W
Gain (min)	42dB	39.9dB
Gain Variation (max)	+/- 2.5dB	+/-3dB
Harmonics at P1dB	-20dBc	-20dBc
Third order intercept point IP3	10dB > P1dB	8dB> P1dB

System Parameters

Input Power (no damage)	+15 dBm
Output VSWR tolerance	Infinite any phase
Stability	Unconditional
Output impedance	50 Ohm
Output VSWR	2:1 typical
Input VSWR	2:1 max
Spurious	-70 dBc (max) -80 dBc (typical)
Noise figure	8.0 dB
Safety interlock	Via rear panel BR2 connector
Supply Voltage - 1 Phase	85 to 264 VAC
Supply Frequency	50 to 60 Hz
Supply Power	<0.5 kVA (typical full power)
RF Input	Type N female
RF Output	Type N female
Dimension	19 inch, 6U case, 527mm Deep
Weight	36 kg

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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