AMETEK®
COMPLIANCE TEST SOLUTIONS

THE NEW GLOBAL POWER FOR
ELECTROMAGNETIC COMPATIBILITY.

THE WORLD'S SPEED IS OUR BEAT

MILMEGA

RF/Microwave Amplifiers

MILMEGA 'AS' Series Solid State Amplifier Range
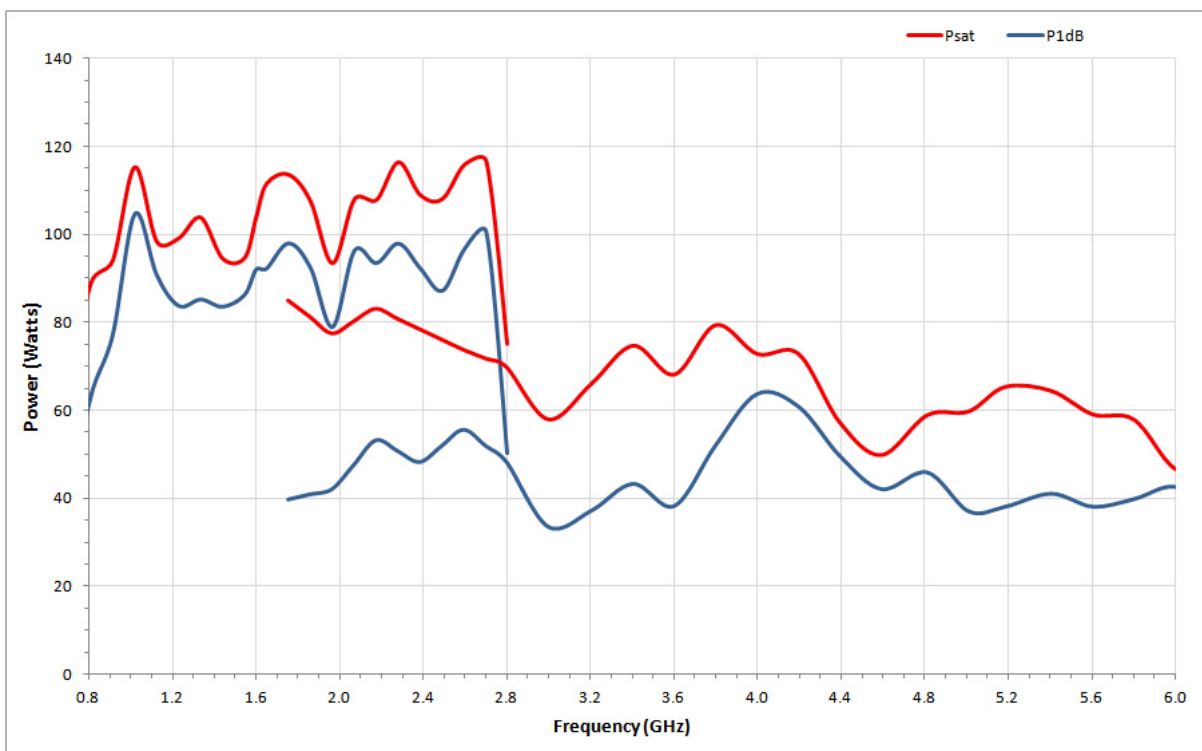
Model: AS0860A-50/25
Dual Band Amplifier

- 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 AS0860A 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 2.7 GHz and 1.8 GHz to 6.0 GHz) they are ideal for EMC testing where a lower field is required above 2.7GHz.

Where the transition from the low band to the high band amplifier can take place at a lower frequency, please see either the lower cost AS0860 range (0.8 GHz to 2.5 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

Band Dependant Parameters	0.8 to 2.7 GHz	1.8 to 6.0GHz
Psat (min)	56 W	31 W
P1dB (min)	50 W	25W
Gain (Nom)	48dB	45dB
Gain (min)	46dB	41dB
Gain Variation (max)	+/- 2.0dB	+/-2.0dB
Harmonics at P1dB	-20 dBc	-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
Input VSWR	2:1
Spurious	-70 dBc (min) -80 dBc (typical)
Noise figure	8.0 dB
Safety interlock	Via rear panel D-sub connector
Supply Voltage – 1 Phase	90 to 132 or 180 to 264 VAC (optional)
Supply Frequency	47 to 63 Hz
Supply Power	0.65 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.

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