MILMEGA 'AS' Series Solid State Amplifier Range

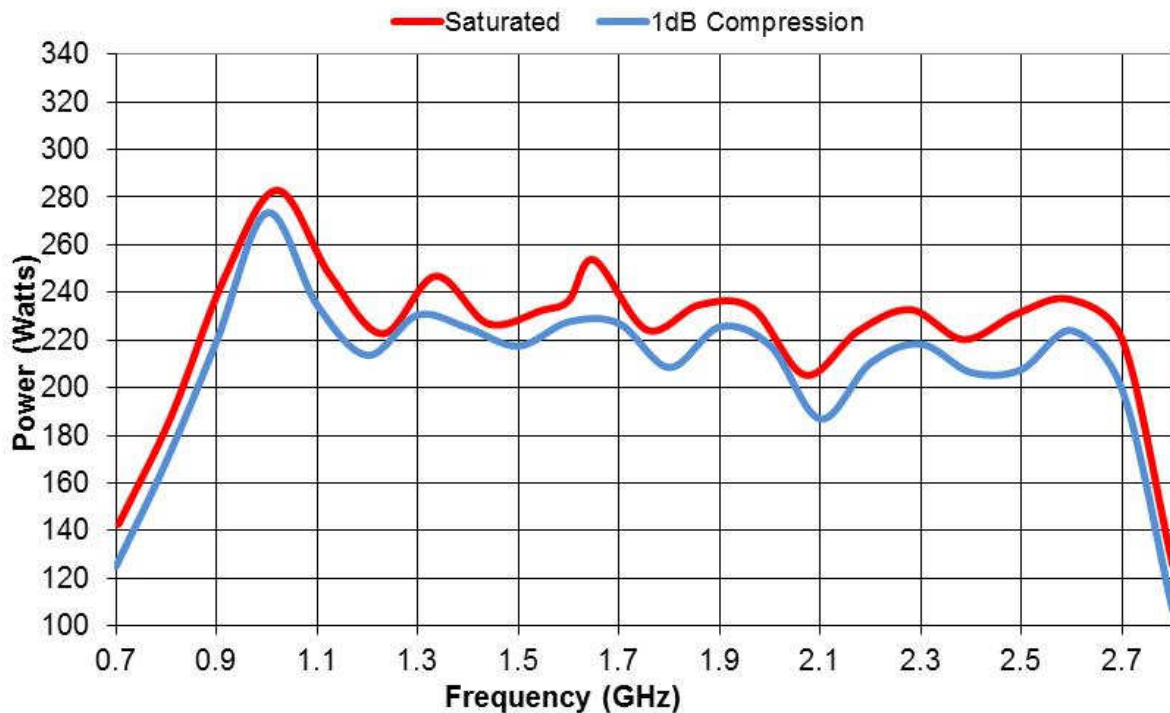## Model: AS0827-110
Broad Band Amplifier

The AS0827 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- 2.7 GHz in a single band this amplifier combines a compact design with market leading performance.

> - 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.

This amplifier is designed to be ready for upgrade to higher power levels by the addition of extra power modules into the existing case. If more power is required once the case is fully loaded the unit can be integrated with further additional units to achieve power levels up to 400 watts.

Amplifier Specification

Frequency Range	0.8 to 2.7 GHz
Psat	120W
P1dB (min)	110W
Gain (min)	47dB
Gain (nominal)	48dB
Gain Variation (max)	+/- 2.0dB
Harmonics at P1dB	-20 dBc
Third order intercept point IP3	10dB > P1dB
Noise figure	6.0dB
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	2.3:1 (max)
Spurious	-70 dBc (min) -80 dBc (typical)
Safety interlock	Via rear panel mounted BR2-female
Supply Voltage – 1 Phase	90 to 132 or 180 to 240 Vac
Supply Frequency	47 to 60 Hz
Supply Power	1.1kVA (typical full power)
RF Input	Type N female
RF Output	Type N female
Dimension	19 inch, 3U case, 527mm Deep
Weight	26 kg

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

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RF/Microwave Amplifiers

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