

MILMEGA 'AS' Series Solid State Amplifier Range

Model: AS0827-30 Broad Band Amplifier

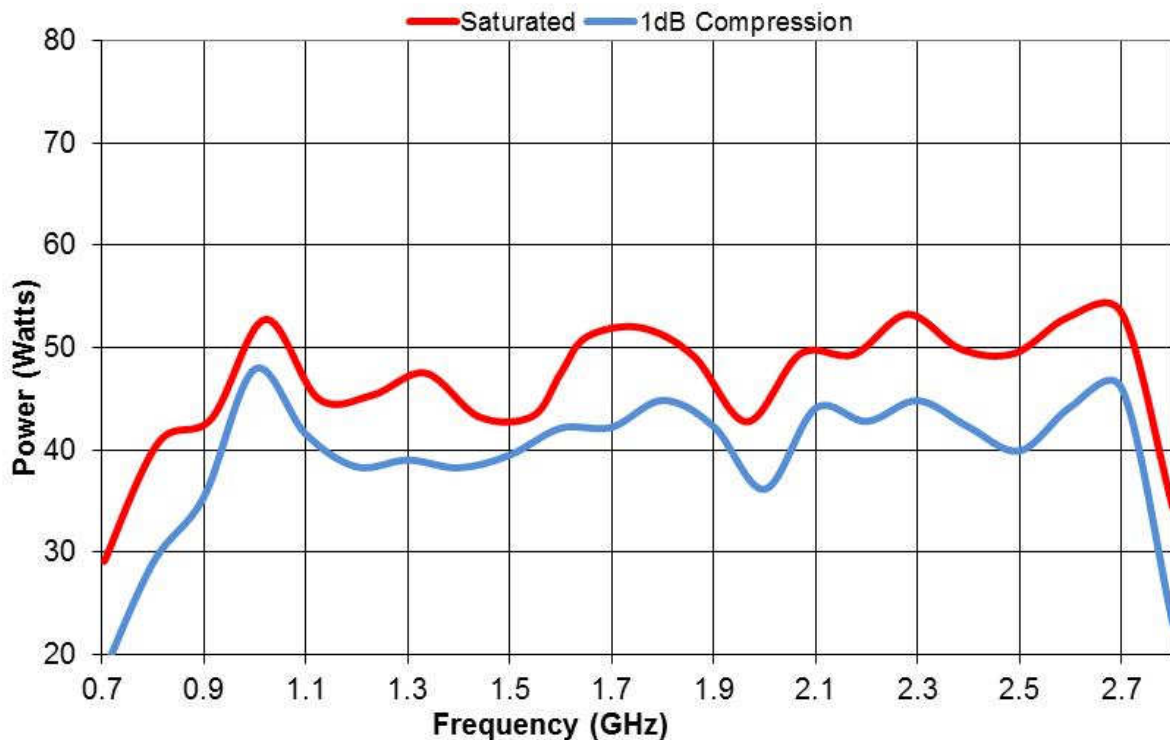


- Calibrated Dual Directional Coupler fitted as standard
- Ethernet, USB and RS232 or GPIB and RS232 included in price
- Unique 5 year parts and labour warranty on all MILMEGA amplifiers.

The 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.

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 (min)	34.7 W
P1dB (min)	30.9 W
Gain (min)	41.40dB
Gain (nominal)	45.40dB
Gain Variation (max)	+/- 2.0dB
Harmonics at P1dB (typical)	-18 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	85 to 240Vac
Supply Frequency	47 to 60 Hz
Supply Power	<1kVA (typical full power)
RF Input	Type N female
RF Output	Type N female
Dimension	19 inch, 3U case, 527mm Deep
Weight	15 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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