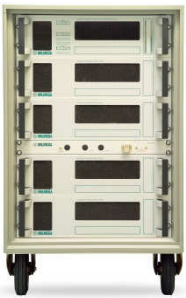


MILMEGA 'AS' Series Solid State Amplifier Range

Model: AS0827-400 Broad Band Amplifier

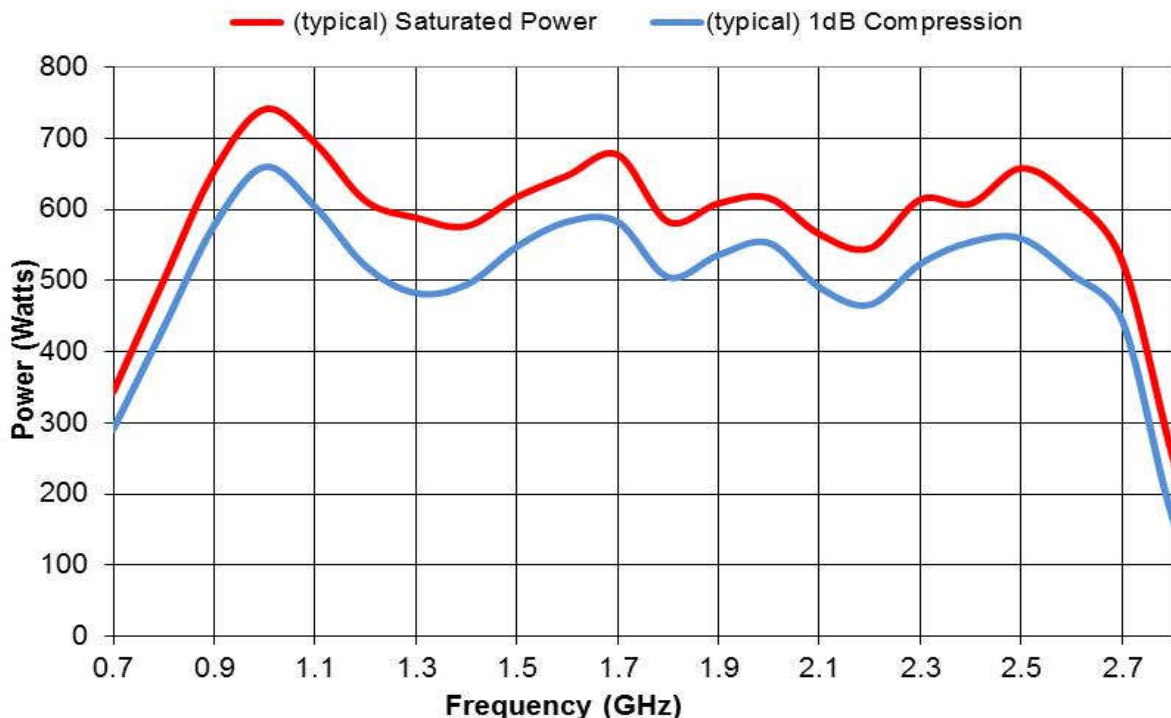


The AS0827 series of solid state power amplifiers follows the MILMEGA tradition for compact, upgradeable microwave power amplifier solutions with field proven reliability.

Developed to cover the frequency band 0.8-2.7GHz in a single band this amplifier combines a compact design with market leading performance.

The unit is air-cool with integral fans, and is protected against faulty cooling by excess temperature sensing. A safety interlock connector is provided, which the user can short circuit to ground, to put the amplifier into standby mode. Front panel indicators are provided to indicate over-temperature and RF interlock condition

- 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

Frequency Range	0.8 to 2.7 GHz
Psat (min)	447W
P1dB (min)	400W
Gain (min)	52dB
Gain (nominal)	58dB
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	5 kVA (typical full power)
RF Input	Type N female
RF Output	Type 7/16 female
Dimension	19 inch, 20U case, 780mm Deep
Weight	165 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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