

## The MILMEGA 'AS' Series Solid State Amplifier Range

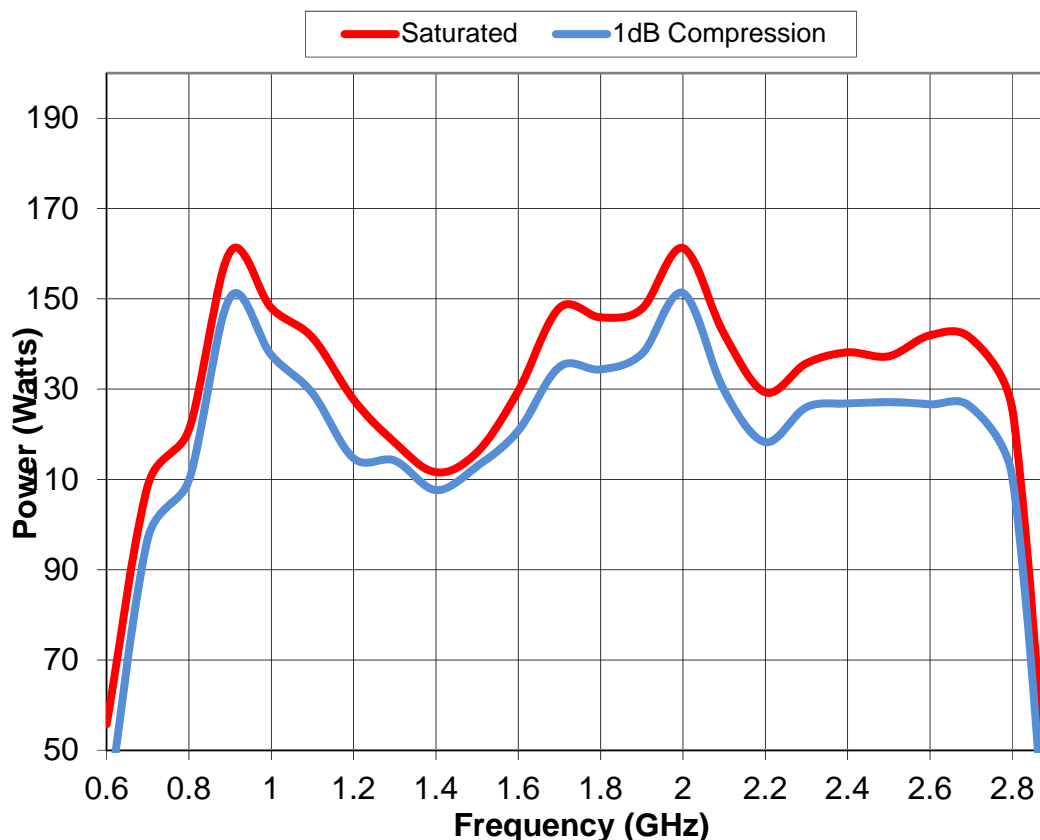
### Model: AS0728-100 Broadband Amplifier



- Integral directional coupler fitted as standard
- Selection of remote control options available
- The unique 5 year parts and labour warranty on all MILMEGA amplifiers.

The AS0728 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 0.7-2.8 GHz in a single band.

Designed specifically for EMC testing this mismatch tolerant amplifier delivers continuous power into a poor and variable match typically associated with EMC antenna.



# Amplifier Specification

	<i>Minimum Psat</i>	<i>Minimum P1dB</i>
700 MHz to 2.8 GHz		
Power	105 W	100 W

<i>System Parameters</i>	<i>Typical</i>	<i>Maximum</i>
Harmonics at P1dB	-15 dBc	
Gain	43 dB	
Gain variation with frequency	+/- 2.0 dB	
Noise figure (max)	6.0 dB	
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	
Third order intercept point IP3	10dB > P1dB	
Spurious	-70 dBc (-80 dBc typical)	
Safety interlock	Via rear panel BR2-female	
Supply Voltage - Single Phase	90 to 132 or 180 to 240 VAC	
Supply Frequency	50 to 60 Hz	
Supply Power	<2 kVA	
RF Input	Type N female	
RF Output	Type N female	
Dimension	19 inch, 3U case, 527mm Deep	
Weight	25 kg	

Amplifiers that meet today's and tomorrow's needs through upgradability. Amplifiers in this family include the AS0728-25, AS0728-100 and AS0728-170 with the MILMEGA Modularity, Upgrade path and 5 Year Warranty.



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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