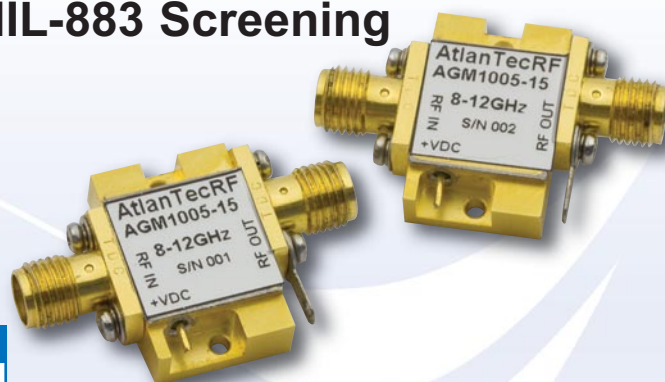


Miniature Drop-In Amplifier with MIL-883 Screening

AGM1005-15

- Frequency 8.0-12.0GHz
- Screened to MIL-883
- Removable SMA Connectors
- Cascadeable
- Miniature size
- Flat Response



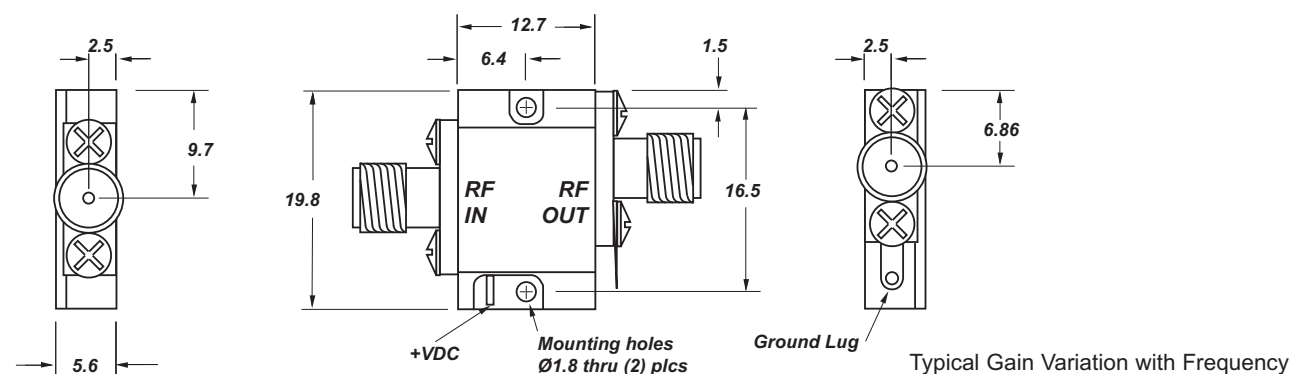
AGM-1005-15 is a miniature amplifier utilising thin film and MMIC technology to provide a very versatile and reliable gain module for microwave applications in communications, radar and defence equipment. It can be used either as a modular unit with the SMA female connectors fitted or inserted directly into a microwave assembly with the connectors removed.

Electrical Specifications over -55 to +85C

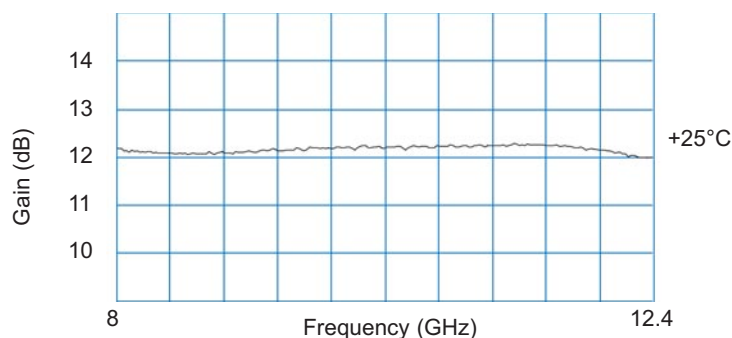
Frequency	8.0-12.0GHz
Gain	10dB min., 12dB typ.
Gain Flatness	+/-0.75dB max.
Pout 1dBcp	18.5dBm min.
Noise Figure	5.0dB max. 4.0dB max. @ +25C typ.
VSWR	2.0:1 max.
Input Power	15dBm max.
DC Power	+15VDC nom., +18VDC max.
Current	100mA max @ +15VDC
Connectors	SMA Female (removable)
Operating Temperature	-55 to +85C

MIL-883 Screening

Pre-cap Inspection	MIL-STD-883, Condition 2017
Stabilisation Bake	+125C, 24 Hours
Temperature Cycle	MIL-STD-883, Condition 1010, -55 to +125C, 10 Cycles
Burn-In	MIL-STD-883, Condition 1015, +85C, 168 Hours
Acceleration	MIL-STD-883, Condition 2001.2, Y1 axis 1000g
Vibration	20-2000Hz @ 0.05g ² /Hz
Gross Leak Test	
Final Electric Test	
Final Mechanical Inspection	



All dimensions in mm



We reserve the right to change standard product specifications without notice but will be pleased to consider control drawings for quotation.

Active Components