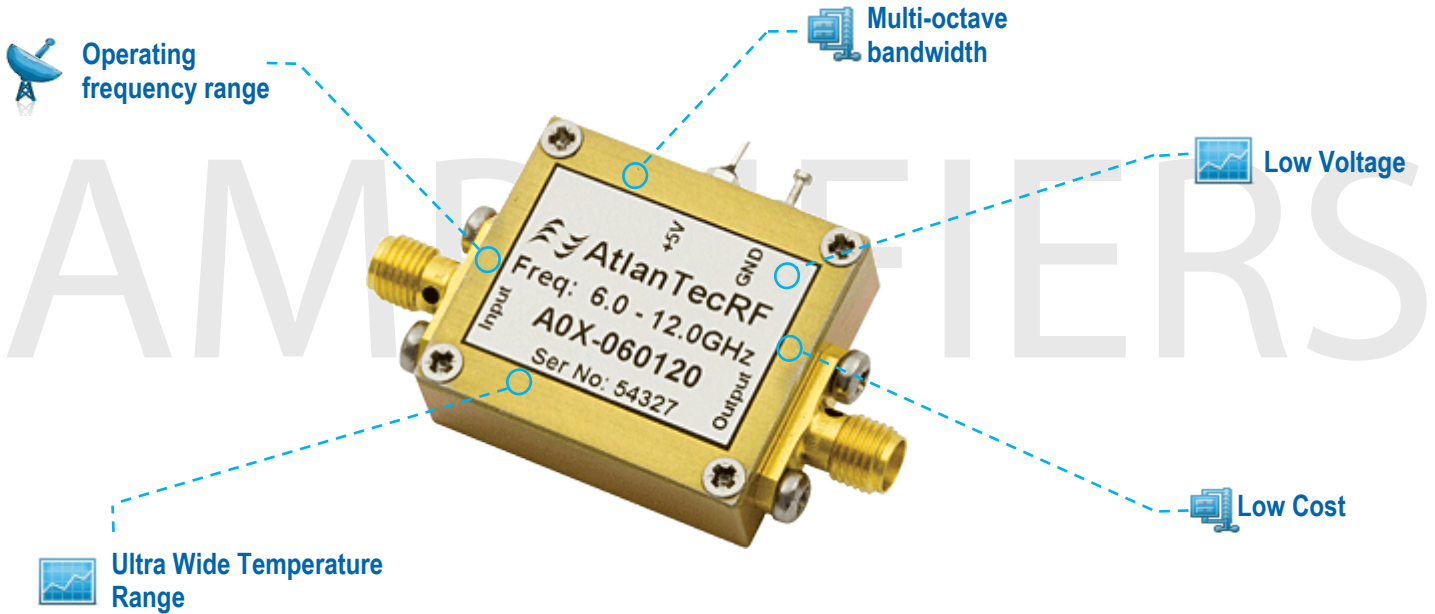


Atlantic Microwave Wide Band Amplifiers

AOX Series

The AOX series are a range of miniature, versatile, small signal, low noise amplifier modules having a multi-octave bandwidth and a very wide operating temperature range. The MIC design utilises GaAs PHEMT distributed amplifier MMIC technology, together with proprietary matching circuits within a robust light-weight aluminium alloy housing fitted with SMA Female connectors. The amplifier modules are suitable for applications in telecommunications, satcoms, radar, countermeasures, EMC, test and measurement, radio astronomy and other highly demanding commercial and military systems.

- 1-20GHz in Frequency Ranges
- Ultra Wide Temperature Range -269 to +100C
- 27dB Typical Gain
- Flat Response
- Low Voltage
- Low Cost



General Electrical Specifications	
Frequency Ranges Over	1.0-20.0GHz
Operating Temperature Range:	1-20GHz
Model AOX-XXXXXX	-20 +85C Ambient Conditions
Model AOX-XXXXXX-H	-55 +85C Ambient Conditions
Protected Environment	4 - 358K
Short Term Maximum	+100C
DC Supply Current @ +25C	+5V to +8V 140mA typ. at +5V 150mA max. at +8V
RF Connector	SMA Female, Stainless Steel MIL-C-39012
DC Connector	Filtercon & Ground Post
Housing	Aluminium Alloy
Finish	Alochrom 1200
Dimensions	31.5 x 27.5 x 10.0 mm (1.24 x 1.08 x 0.39 ins.)

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

