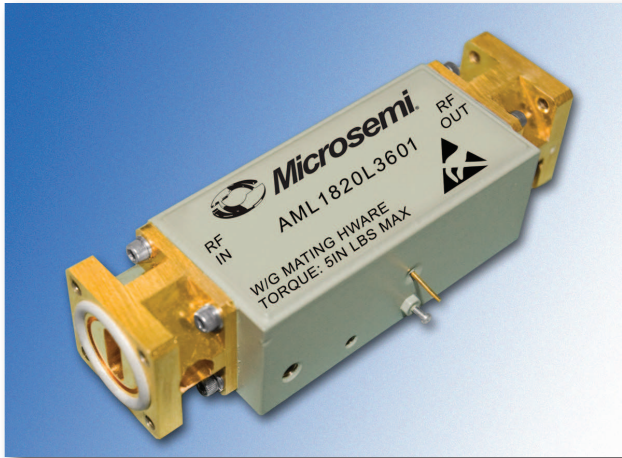


Description

- Internal voltage regulator, reverse voltage protection, temperature compensation, and DC filter feed through are included.
- Amplifier is available in a field removable SMA (f) connectorized or waveguide housing. Amplifier is hermetically sealed.
- ATP (100%) testing includes Gain, Flatness, NF, P1dB, VSWR, and DC Current measurement at room temperature.



Electrical Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	18.3		20.2	GHz
Gain	33		36	dB
Gain Flatness vs Freq.			±1.0	dB
Noise Figure			1.5	dB
P1dB	+10			dBm
Input			1:4:1	ratio
Output		2:0:1		ratio
DC Power		150		mA
Operating Temperature	-20		+70	°C

(Specifications at 25 °C unless otherwise stated)

Outline

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REVISIONS				
ECOH	REV	DESCRIPTION	DATE	APPROVED
-	-	RELEASED	1/10/2012	S. GALBREATH

NOTES:

1. WAVEGUIDE FLANGE FINISH IS GOLD PLATE PER MIL-DTL-45204.
2. ALL REMAINING EXTERNAL SURFACES ARE PRIMED AND PAINTED PER MIL-PRF-22750, GREY, FED-STD-595 COLOR No. 26307
3. MARK AS SHOWN IN BLACK. MARK DATE CODE AND SERIAL NUMBER AS DEFINED BY TRAVELER.
4. LNA IS TO BE SUPPLIED WITH TWO (2) O-RINGS
P/N: 1068-0092 (SAS INDUSTRIES) OR EQUIVALENT.
5. THIS IS A STATIC SENSITIVE DEVICE. HANDLE ACCORDINGLY.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE DECIMALS ANGLES IN DEGREES ± 0.010 ± 0.005 ± 0.010	THIRD ANGLE PROJECTION
MATERIAL: ALUM ALLIYS 6061 AND 4047	FINISH: NOTED
DD NDT SCALE DRAWING	RELEASED BY:

DESIGNED BY: AN & SH	CHECK BY: SH
APPROVED: [Signature]	DATE:
ENGR:	MFG ENGR:
QA:	RELEASED BY:

TITLE: OUTLINE, AML1820L3611 LNA, Ka BAND, HIGH PERFORMANCE	
SCALE: NTS	DATE: 1/10/12
<small>GENERAL FABRICATION NOTES: (UNLESS OTHERWISE SPECIFIED) 1. REMOVE ALL BURRS AND BREAK SHARP EDGES .005 MAX. 2. DIMENSIONS APPLY AFTER FINISH. 3. 32 MAX. MACHINE FINISH. 4. INTERPRET DRAWING PER ANS/ASME Y14.5-2009</small>	
BOM NUMBER: AML1820L3611	SHEET NUMBER: 1 OF 1
DRAWING NUMBER: 002-1066	REV: -