



Specifications:

Part Number	Frequency (GHz)	Gain (dB min)	Flat. (±dB typ)	NF (dB max)	P1dB (dBm min)	VSWR In/Out (typ)	Volatage (VDC)	DC Current mA(nom)
AML618L4011	6.0 – 18.0	40	+/- 2.0	2.0	10	2.0:1	+12-15	220

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

Outline:

The drawing shows a side view and a top view of the amplifier module. Key dimensions include a total length of 1.800 inches, a mounting surface width of 0.235 inches, and a distance of 0.770 inches from the SMA female RF input to the DC input. The top view shows a width of 0.428 inches and a distance of 0.224 inches from the SMA female RF input to the centerline. The DC input is labeled as $\varnothing 0.03$, DC INPUT, +12/+15V. The SMA female RF output is also shown. The drawing includes a label with the following text: +15VDC, AMLXXXXXXXX, S/N:XXXX-XXX, www.amlj.com. The drawing also shows four through holes with a diameter of $\varnothing 0.103$. A table of revisions is provided in the top right corner.

REVISIONS				
ECO#	REV	DESCRIPTION	DATE	APPROVED
-	-	PRODUCTION RELEASE	10/05/01	M. CALAYAN
11183	A	SEE ECO	5/31/05	M. CALAYAN

NOTES:
1. MARK LABEL (003-0231) AS SHOWN. MARK SERIAL NUMBER, DATE CODE AND MODEL NUMBER AS PER TRAVELER.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .010 ANGLES .5° XXX ± .015	THIRD ANGLE PROJECTION	DRAWN BY SH CHECK BY SH DESIGNED BY SH APPROVED DATE	TITLE: OUTLINE, 8-18 GHz CATALOG, 5 STAGE	AMC Communications CAMARILLO, CALIFORNIA, USA
MATERIAL ALUM ALLOY 6061	ENGR Si Le 10/05/01	SCALE: 2X	DATE: 7/11/01	BOX NUMBER
FINISH ELECTROLESS NI MIL-C-26074C 0.0003/0.0005 THICK	MFG ENGR Gary Rogers 10/05/01	GENERAL FABRICATION NOTES: (UNLESS OTHERWISE NOTED) 1. REMOVE ALL BURRS AND BREAK SHARP EDGES. 2. DIMENSIONS APPLY AFTER FINISH. 3. ALL BENDS TO BE 90° 4. ALL MAKE MACHINE FINISH.		
DO NOT SCALE DRAWING	RELEASED BY Mike Calayan 10/05/01	GENERAL ASSEMBLY NOTES: (UNLESS OTHERWISE NOTED) 1. ASSEMBLE AS PER WORKMANSHIP REQUIREMENTS OF PC-A-610, CLASS 2		
		SHEET NUMBER 1 OF 1		SIZE B
		DRAWING NUMBER 002-0102		REV A

FORM 914-0044 "B" SIZE BORDER REV. A