



AML052PNA1711 Specifications:

| Frequency | Gain * | Flatness | Input VSWR | Output VSWR | Noise Figure | P-1dB | Phase Noise @ 100 Hz offset | Phase Noise @ 1 KHz offset | Phase Noise @ 10 KHz offset | Phase Noise @ 100 KHz offset | Phase Noise @ 1 MHz offset |
|-------------|-----------|-------------|------------|-------------|--------------|-------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|
| 0.5-2.0 GHz | 28 dB Min | ±1.0 dB Max | 2.0:1 Nom | 2.0:1 Nom | 5.5 dB Max | +25 dBm Min | -150 dBc/Hz Nom | -155 dBc/Hz Nom | -160 dBc/Hz Nom | -165 dBc/Hz Nom | -170 dBc/Hz Nom |

Specifications @ 25C

- Voltage: +12-15VDC, 365mA Nom
- Amplifier is in epoxy sealed aluminum 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:

Technical drawing showing dimensions and labels for the AML052PNA1711 amplifier module. Key dimensions include 1.203, 0.235, 0.601, 0.20/0.27, 0.487, 0.800, 0.224, 0.365, 0.362, 0.125, 0.953, 0.250, and 0.224. Labels include MOUNTING SURFACE, SMA FEMALE, RF IN, SMA FEMALE, RF OUT, GROUND, and 4 X Ø0.103 THRU. A label on the module shows: +15VDC, AMLXXXXXXXXXX, S/NXXXXXX, www.aml.com, and RF IN.

| REVISIONS | | | | |
|-----------|-----|--------------------|---------|----------|
| ECO# | REV | DESCRIPTION | DATE | APPROVED |
| 9005 | A | PRODUCTION RELEASE | 5/24/01 | SL |
| 9116 | B | SEE ECO | 8/30/01 | SL |

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

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| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS ANGLES .13 .066 .002 .005 .03 .015 THREE ANGLE PRECISION | DRAWN BY TA CHECK BY SH DESIGNED BY SH APPROVED _____ DATE _____ ENGR _____ NFG ENGR _____ QA _____ RELEASED BY _____ | TITLE OUTLINE CATALOG (C2) SCALE: 2X DATE: 5/24/01 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. MAX. MACHINE FINISH. | CAMARILLO, CALIFORNIA, USA EDN NUMBER _____ SHEET NUMBER 1 OF 1 SIZE B DRAWING NUMBER 002-0110 REV B |
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DO NOT SCALE DRAWING

FORM 914-1044 "B" SIZE BORDER REV. A