



MODEL AR-5030C2  
80 WATTS CW/PEP  
700 to 960 MHz

*ADDENDUM TO AR-5030 DATASHEET*

This datasheet, for **Model AR-5030C2**, is an addendum to the datasheet for the standard amplifier **Model AR-5030**. The purpose of this datasheet is to document items specific to the **AR-5030C2** – a custom configuration of the **AR-5030**.

**Important notes:**

- Only differences in specifications between the **AR-5030** and **AR-5030C2** are noted in this datasheet
- For any specifications not listed in this datasheet, those in the AR-5030 datasheet are the authority
- In case of conflict, any specification listed in this datasheet supersedes that in the **AR-5030**

**PERFORMANCE SPECIFICATIONS – MODEL AR-5030C2 AMPLIFIER**

1. Power Supply – Compliant to MIL-STD-1399 Section 300B Type 1 [MILITARY STANDARD: INTERFACE STANDARD FOR SHIPBOARD SYSTEMS]  
➔ *Power supply manufacturer's certificate of compliance available upon request*
2. Designed to meet:
  - a. ISO 10055 or MIL-STD-167-1, Type 1, 5-25 Hz [MECHANICAL VIBRATIONS SHIPBOARD EQUIPMENT]
  - b. MIL-HDBK-454A [GENERAL GUIDELINES FOR ELECTRONICS EQUIPMENT]
  - c. MIL-STD-461E [ELECTROMAGNETIC COMPATIBILITY]
3. Materials – Does not contain Asbestos or Polychlorinated Biphenyl (PCB)
4. Front panel paint – ANSI#61 Gray (CMYK: 0% 0% 0% 39%)
5. Protective cover for LCD touchscreen / display
6. Harmonic Performance: -50 dBc, maximum
7. PTT (Blanking):
  - a. Connector: DB9-Male, rear panel
  - b. Amplifier PTT control provided by customer (LM) equipment solid-state contact closure  
*(Note - in the customer supplied connecting cable, pin-1 will also be shorted to pin-5)*
  - c. Hardware Blanking OFF / HPA on: Pin-7 connected to Pin-1 & Pin-5
  - d. Hardware Blanking ON / HPA off: Pin-7 disconnected from Pin-1 & Pin-5➔ *Note – Hardware & software Blanking rules apply - for further details on Blanking see User Manual*
8. Software variances from standard AR-5030:
  - a. No bypass control from local front panel touchscreen interface
  - b. On power up, software Blanking will default to ON (HPA off)➔ *Note – Hardware & software Blanking rules apply - for further details on Blanking see User Manual*