

## SALES SERVICE BULLETIN NUMBER 202

Broadband Antenna Amplifier  
TMC Model BAA -1

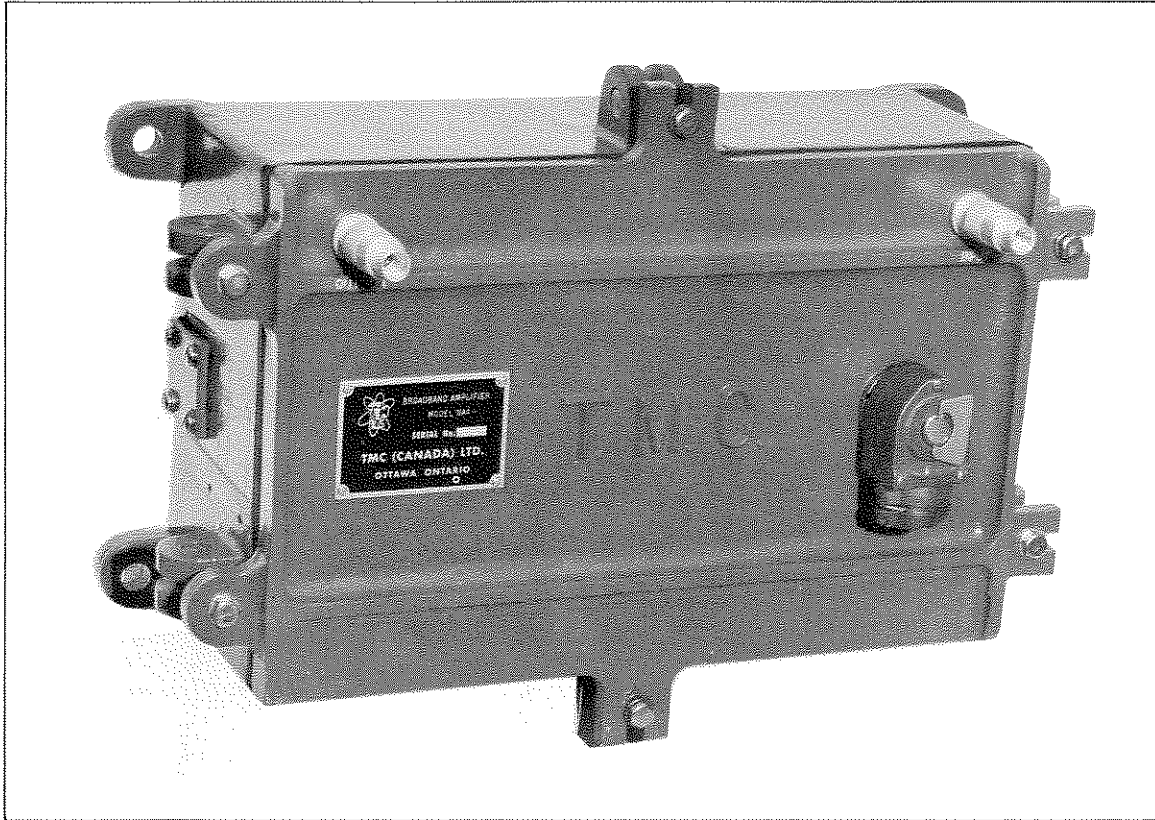


Figure 1. Front View, Model BAA-1

The TMC Model BAA-1, Broadband Antenna Amplifier, is the answer to a long recognized need for a device which will amplify antenna signals for transmission over long lines. The unit provides a 14 db gain over a wide band of frequencies and uses amplification techniques which keep the overall gain essentially constant over the frequency range while maintaining a very low noise figure. Where a higher overall gain is required, two or more units may be cascaded without appreciable loss in signal quality.

The BAA-1 is capable of long periods of unattended operation as the failure of a single tube will not greatly affect the overall amplification.

As shown in Figure 1, the unit is supplied in a completely waterproof case for outdoor installation.

### TECHNICAL SPECIFICATIONS:

**FREQUENCY RANGE:**

2 to 30.0 metacycles.  
Available up to 170 mc on special request.

**IMPEDANCE:**

Input and output impedances 70 ohms nominal. Other available on special request.

FREQUENCY RESPONSE:	$\pm 2$ db over entire frequency range.
NOISE FIGURE:	Less than 4.5 db over the range 2 to 30.0 mc.
GAIN:	Basic power gain of 14 db, $\pm 1$ db.
SPURIOUS RESPONSE:	Undesirable cross modulation products are down at least 55 db when measured with two input signals of 10,000 microvolts.
POWER REQUIREMENT:	115/230 volts, 50 - 60 cps, single phase 10 watts.
SIZE:	16 1/2 x 11 1/2 x 6 3/4 inches o/a.
WEIGHT:	29 lbs.
COMPONENTS AND CONSTRUCTION:	All equipment is manufactured in accordance with JAN/MIL specifications wherever practicable.

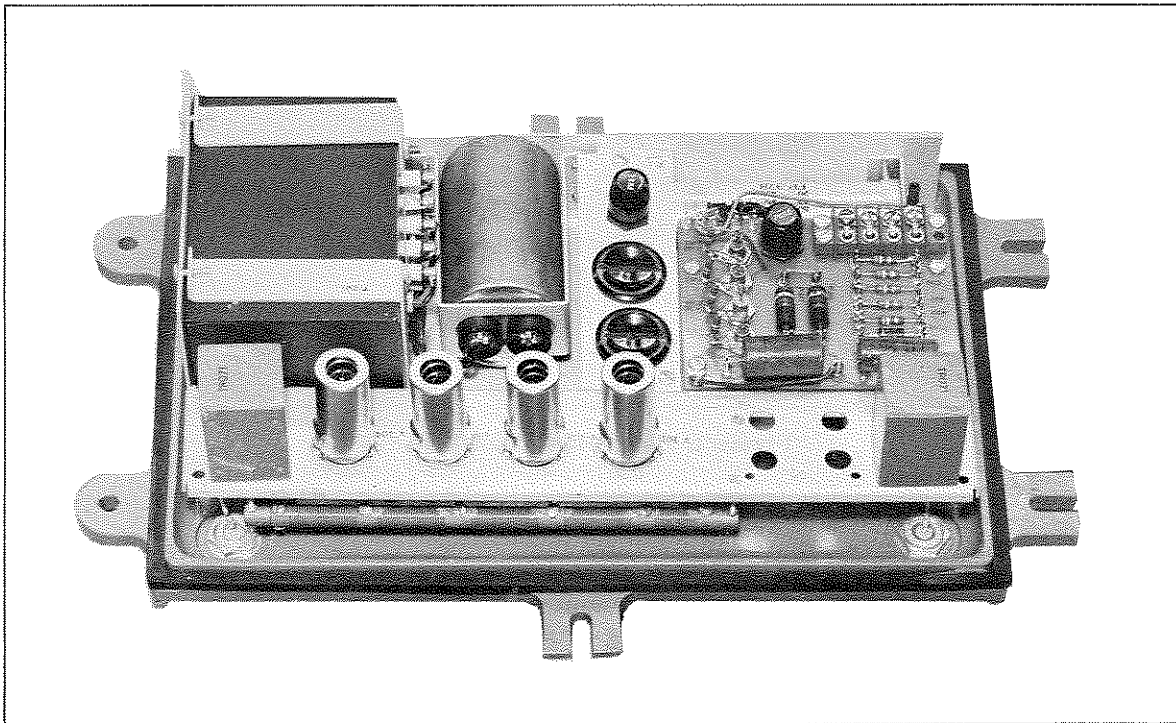


Figure 2. Model BAA-1 Removed From Case.

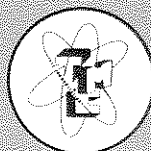
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