

## Description

The CM-1, CM-2, and CM-U are compact tuned input accessories for amateur band amplifiers which do not include a tuned input stage. Its purpose is to provide the "flywheel effect" of a tuned circuit required when driving a power amplifier with a solid state exciter which uses a broadband output circuit. When used with a tube type exciter, the unit improves the harmonic suppression and reduces distortion products in the output signal.

The circuitry consists of a parallel tuned circuit across the line on 160 meters, a two section half wave network on 80, 40, and 20 meters, and a single section Pi network on 15 and 10 meters. The circuitry is symmetrical on all bands. No tuning necessary.

## Installation

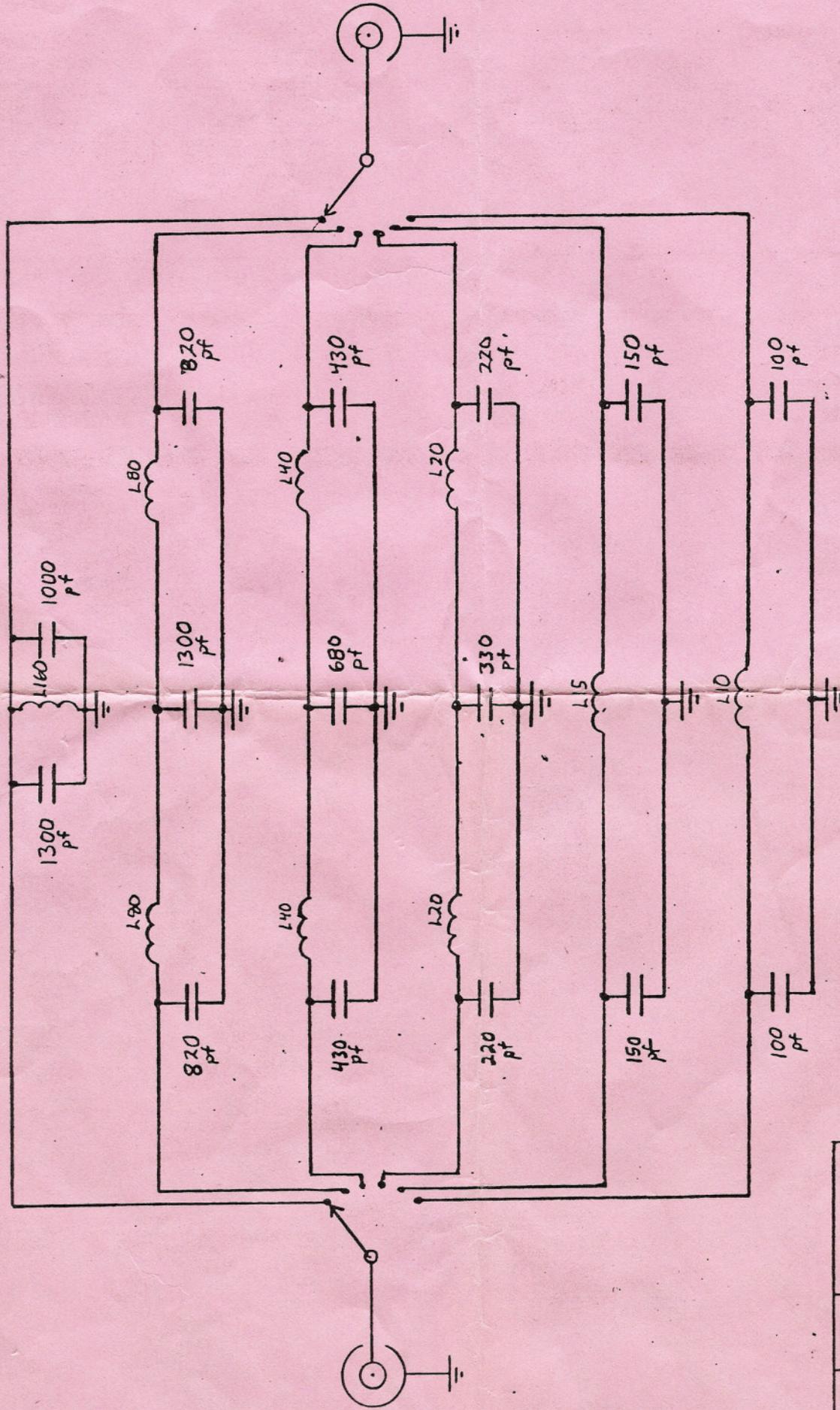
Connect the transmitter or transceiver to the input of the CM-U with 58/U or similar 50 ohm coaxial cable. Connect the output of the CM-U to the desired band. Tune the equipment and operate as before. Depending upon the station setup, it may be necessary to alter the length of cable connecting the CM-U to the amplifier if driving problems occur on one band.

The CM-U may be left in the line at all times. Since it is a symmetrical device, it works as low loss input filter on receive, and will actually improve receiver operation in many cases.

The W.A.R.C. bands may be used by setting the CM-U on 20 meters for 30 meter operation, 15 meters for 17 meter operation, and 10 meters for 12 meter operation.

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COIL	#TURNS	FORM
L160	19	T-94-2
L80	17	T-68-2
L40	12	T-68-2
L20	8	T-68-2
L15	7	T-68-2
L10	9	.3" x .5" AIR

CM-U, CM-1, CM-2

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