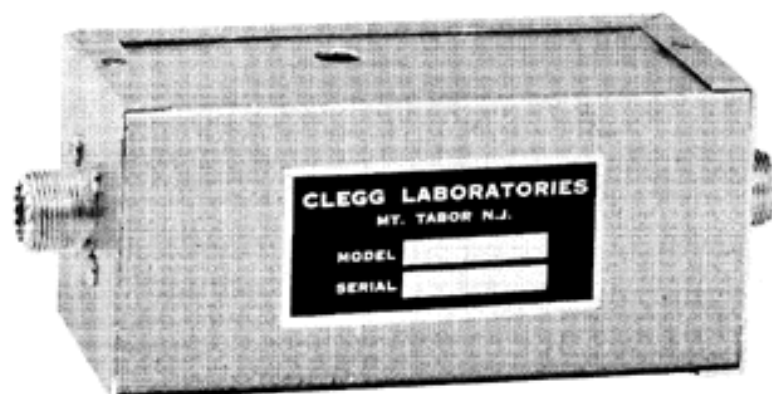


the *Clegg* MODEL 372 LO-PASS FILTER

IMPROVES HAM BAND & CB RECEPTION & ELIMINATES TVI



SPECIFICATIONS

1. Input and output impedance 52 \pm 3 ohm.
2. Input VSWR when terminated in 52 ohm resistive load:
 - a. less than 1.4 below 52 Mc.
 - b. less than 1.15 below 50.7 Mc.
3. Attenuation characteristics:
 - a. less than .5 db from DC to 50.7 Mc.
 - b. less than 3 db at 53 Mc.
 - c. More than 28 db at 55 Mc.
 - d. Adjustable notch (tuneable after installation) provides more than 35 db rejection at any desired frequency from 55 Mc to 68 Mc.
 - e. More than 40 db on any TV channel above 68 Mc.
4. A.M. power ratings (with load VSWR) of less than 2:1.
 - a. Up to 60 watts at 53 Mc or lower.
 - b. Up to 120 watts below 51 Mc.
 - c. Up to 240 watts below 30 Mc.

OPERATING DATA

The 372 filter is a well designed, compact, self contained, shielded package with standard UHF coaxial fittings. No equipment modifications are required to install the 372. The filter is simply installed in the coaxial transmission line between the antenna and the receiver/transmitter. The only accessory required is a short length of 52 ohm cable with the Amphenol 83-1SP fittings at each end. Alternately, a DOW KEY model DKF2 double male connector may be used.

As supplied from the factory the filter has been pre-set to afford maximum attenuation at the frequency of TV channel 2. If rejection of signals other than channel 2 is desired, it is only necessary to adjust the

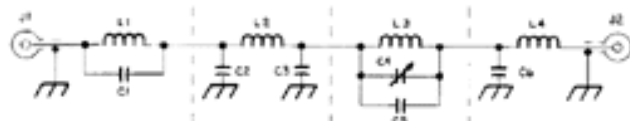
The 372 filter fills the need for a low cost, high performance, low pass RF filter unit for use with all ham and CB receivers, converters, transceivers and low power transmitters.

The 372 will:

1. Eliminate TVI caused by spurious outputs from any 6 meter or lower ham band or CB transmitter within the specified power range.
2. Eliminate or greatly reduce annoying received birdies caused by strong local TV & FM stations. It is useable with any receiver from the broadcast band up to 6 meters (including 27 Mc CB units).
3. Generally improves most ham band 10 or 6 meter transceiver operation.

trimmer capacitor accessible through the hole at the side of the filter box as follows:

1. For reduction of receiver birdies caused by other than channel 2 TV, tune receiver so birdy is maximum and adjust trimmer on 372 filter until birdy disappears.
2. For reduction of TVI caused by spurious outputs from your transmitter on other than TV channel 2, tune TV receiver to channel on which interference is to be minimized. While watching TV screen adjust trimmer on 372 filter for best TV picture.



ELECTRICAL PARTS LIST

CAPACITORS

CAPACITORS	DESCRIPTION
C1	silver mica, 68 pf, \pm 5%, 2500V
C2	silver mica, 82 pf, \pm 5%, 2500V
C3	silver mica, 68 pf, \pm 5%, 2500V
C4	trimmer, 7-45 pf
C5	silver mica, 100 pf, \pm 5%, 2500V
C6	silver mica, 68 pf, \pm 5%, 2500V

JACKS

J1, J2	RECEPTACLE AMPH. SO 239
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INDUCTORS

L1	4 turns #16 wire, I.D. 1/4"
L2	5 turns #16 wire, I.D. 1/2"
L3	3 turns #16 wire, I.D. 5/16"
L4	4 turns #16 wire, I.D. 1/4"

Clegg

LABORATORIES

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