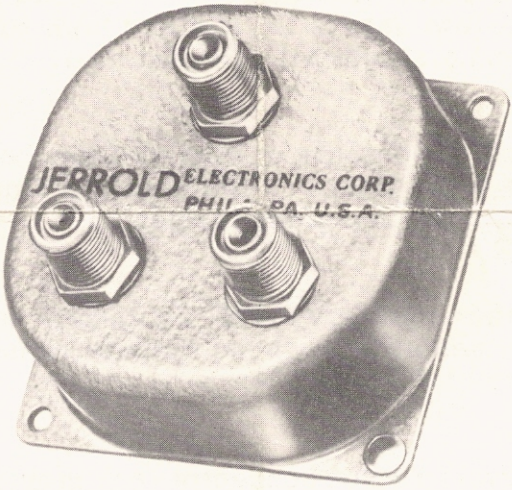
JERROLD

INSTRUCTION SHEET

435-134

VHF CROSS OVER NETWORK MODEL LHS-76



DESCRIPTION

Jerrold Model LHS-76* is an improved VHF cross-over network consisting of complementary low pass and high pass filters having a joint cut-off (cross-over) frequency at approximately 140 MC.

The unit exhibits a rejection - of one band from the other - more than 30 db and is matched to 75 ohms with a VSWR of less than 1.2. Model LHS-76 is housed in a compact, attractive blister can of sturdy construction which is easily and simply mounted.

SPECIFICATIONS

Band Pass:

Low Band Section	0 MC to 110 MC
High Band Section	170 MC to above 216 MC

Rejection:

Greater than 30 db (either side of cross-over)

Connectors:

Three (3) Jerrold F-61, chassis
Three (3) Jerrold F-59, cable (supplied)

VSWR:

Less than 1.2 (TV and FM bands).

Insertion Loss:

Less than 0.6 db.

Impedance:

75 Ohms (all terminals)

Dimensions:

2 5/16" Sq. Mounting Plate
1 5/16" Deep (includes chassis connectors).

APPLICATIONS

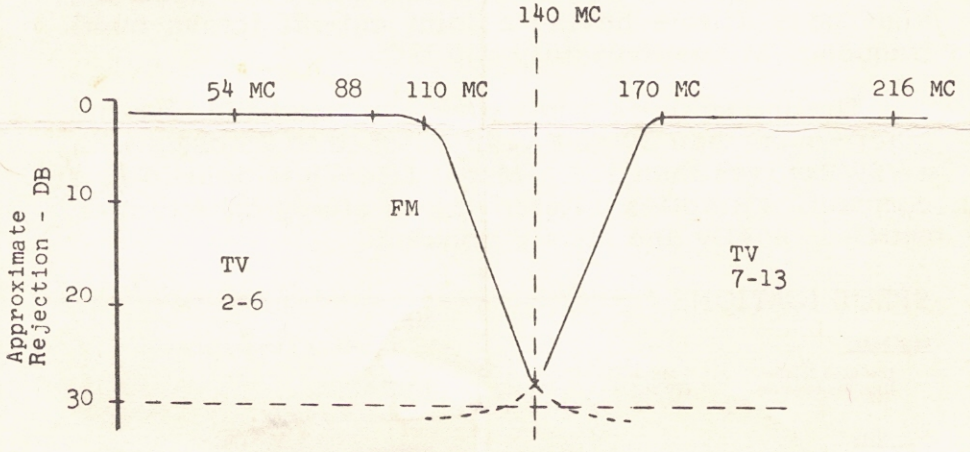
Jerrold Model LHS-76 finds several applications in the Jerrold Master Antenna Systems for efficiently separating or combining high and low VHF channels:

Combines high and low antenna arrays to provide a single transmission line input to wide band amplifiers; or provides separate inputs for low and high band broadband amplifiers from a single all band antenna.

Combines the outputs of high and low band amplifiers into a single trunk line; or separates the single trunk into separate inputs for these amplifiers.

Useful and necessary in VHF equipment measurements, using sweep generators whose outputs contain harmonics of the fundamental sweep.

Three Jerrold F-type connectors are provided. Use the "Low" fitting for the low channels' input or output. Use the "High" fitting for the high channels' input or output. The "Com." connector should be used for the combined low and high channels' input or output.



Data Subject To Change Without Notice

JERROLD ELECTRONICS CORPORATION
15th and Lehigh Avenue • Philadelphia 32, Pa.

Printed in U.S.A.

LHS-76 BM February, 1959