CROSS-OVER NETWORKS
to Split or Mix
VHF (HI-LO) or AM-TV BANDS

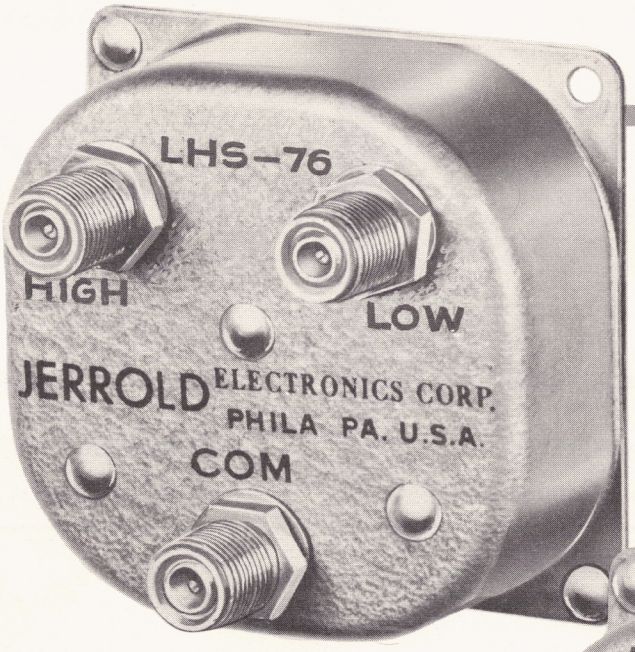

Figure 1. Model LHS-76 VHF Cross-over Network

Features

- Low Insertion Loss
- High Rejection
- Convenient Connections
- Compact
- Rugged Construction

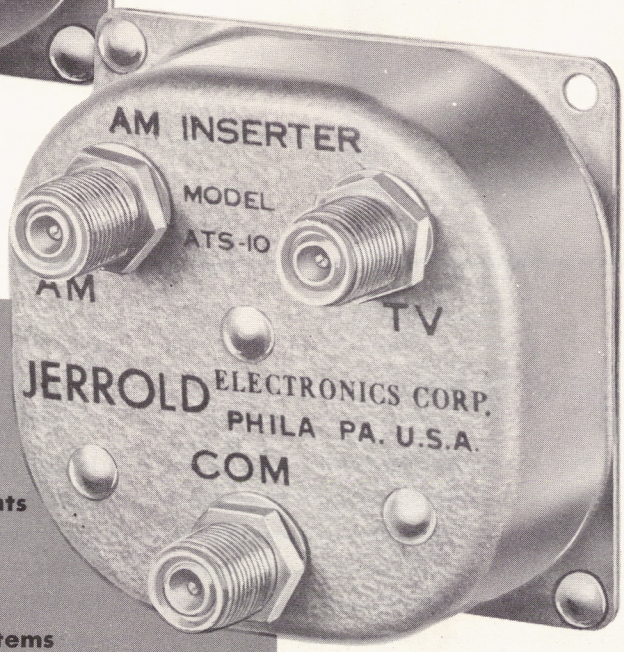

Figure 2. Model ATS-10 AM-TV Cross-over Network

Applications

MODEL LHS-76

Split or Mix VHF HI-LO Bands

Useful for VHF Equipment Measurements

MODEL ATS-10

Insertion of AM into TV Distribution Systems

Separate or Combine AM-TV Bands

JERROLD

SPECIFICATIONS

	LHS-76	ATS-10
Insertion Loss	Less than 0.6 db	TV: 0.2 db AM: less than 0.2 db
VSWR	Less than 1.2	1.2
Band Pass	Lo: 0 mc to 110 mc Hi: 170 mc to 216 mc	TV: 20 mc to 220 mc AM: 0 to 2 mc
Cut-Off	Lo: 140 mc Hi: 140 mc	TV: 12 mc AM: 5 mc
Impedance	75 ohms (all terminals)	75 ohms (all terminals)
Rejection	Greater than 30 db (either side of 140 mc)	20 db of AM at TV output 30 db of TV at AM output
Connectors	Three Jerrold F-61 Three Jerrold F-59	
Dimensions	2 5/16" x 2 5/16" x 1 5/16"	

DESCRIPTION

Jerrold cross-over networks Models LHS-76 and ATS-10 are specifically designed for use in TV distribution systems. These low-loss, high-rejection units are housed in a compact, sturdy blister can which is easily and simply mounted.

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

The unit is an efficient splitter or mixer of high and low VHF channels. In addition it is useful and necessary in VHF equipment measurements, using sweep generators whose outputs contain harmonics of the fundamental sweep.

Model ATS-10 is a matched AM-TV mixer-splitter unit with cross-over points at 12 mc for the TV band and 5 mc for the AM band. The unit provides a high degree of attenuation of AM signals on the TV section and of TV signals on the AM section.

Data Subject to Change Without Notice

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