

HIGH-Q INTERFERENCE TRAPS

MODELS TLB-1, TFM-1, THB-1

DESCRIPTION

Models TLB-1, TFM-1, and THB-1 are designed to trap out interfering signals at head-ends of t.v. distribution systems. Model TLB is tunable over the low-band frequency range, Model TFM-1 over the f-m frequency range, and Model THB-1 over the high-band frequency range.

INSTALLATION

1. Disconnect the incoming cable from the relevant amplifier and connect the cable to the input terminal of the trap.
2. Connect a field strength meter to the output terminal of the trap; tune the meter to the interfering frequency.
3. Tune trimmer "B" on the trap to the interfering carrier for maximum trapping effect as observed on the meter; this trimmer is designed with a lower Q than trimmer "A"

and must therefore be tuned first. Then tune trimmer "A" to the interfering carrier for maximum trapping effect as observed on the meter.

4. Where a modulated carrier is being trapped, do not attempt to attenuate it by more than 25 dB, so that the stability of the trap will be preserved. See the illustration for the desired response.
5. Disconnect the meter from the trap; construct an appropriate jumper and install the necessary cable connectors on the jumper. Then connect the output of the trap to the input of the amplifier.

NOTE: Where unusually strong interfering signals require more rejection, these traps may be cascaded. However, to prevent interaction between two cascaded traps, isolation should be provided, either (1) by placing one trap at the amplifier input, the other at its output, or (2) by attenuation pads of the highest permissible dB value, inserted between the two traps.

TYPICAL TLB RESPONSE CURVE

