

R. L. DRAKE COMPANY
TV-3300-LP LOW PASS FILTER

FEATURES:

Prevents spurious outputs to the antenna that cause TVI from transmitters operating below 30 MHz.

Stops 2nd and 3rd harmonics on 15 and 10 meter amateur bands and 3rd harmonic of 20 meters.

Stops 2nd and 3rd harmonics of CB Band.

Protects all World TV channels.

Protects TV IF frequencies above 36 MHz.

Has low transmitter loss below 30 MHz.

SPECIFICATIONS:

Transmitter Operating Range:	0 to 30 MHz.
Design Cutoff Frequency:	33 MHz.
Attenuation:	Greater than 80 dB above 41 MHz.
Insertion Loss:	Less than 1/4 dB below 29 MHz. Less than 1/3 dB at 30 MHz.
Power Capacity:	1000 Watts average.
Impedance:	52 Ohms input and output.
Connectors:	UHF type SO-239 sockets.
Dimensions:	8-1/2" x 2-1/2" x 2-1/2".

INSTALLATION:

Before installing the filter, make certain your transmission line has a low SWR. This also applies to the link between antenna coupler and transmitter when the filter is installed here. CAUTION: Do not disconnect the antenna transmission line from the filter or otherwise disturb the load with your transmitter operating. Removing the load from the filter may cause it to break down. Install the filter on the transmitter cabinet and bond to it using the mounting holes provided. Make up a short coax cable with proper connectors (PL-259) to go between the transmitter output and filter input. Keep this unfiltered lead outside the cabinet as short as possible. Connect the antenna coax (PL-259 connector) to the output of the filter.

NOTE:

Few TV receivers have sufficient selectivity to discriminate between low channels and a strong transmitter signal. This is the fault of the receiver design, and will not be helped by the installation of a low pass filter at the transmitter. This interference condition may be remedied by installing a Drake TV-300-HP high pass filter at the TV receiver.