

“FP”, “FR”, “FQ” Series Filters

Tuning Instructions

All three “F” Series of the 7 and 10 inch cavity filters can be field retuned across their complete specified frequency range,

The cavities are equipped with adjustable coupling loops to facilitate insertion loss or notch reject changes without removal or replacement of the loop. The loops are locked into place with three holding screws and have been preset at the factory upon delivery to the customer specifications.

Tools Required:

- 5/16 Hex or open end wrench
- 7/8 open end wrench
- Phillips head screwdriver

Recommended Equipment (or equivalent)

Fig. A - Network analyzer

Hewlett Packard - Model 8752 A

300 KHz-3 GHz

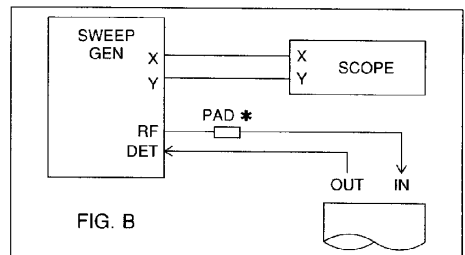
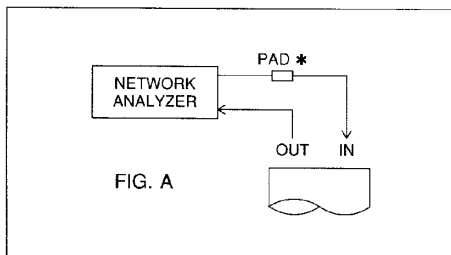
Fig. B - Sweep generator

Hewlett Packard - Model 8754

Oscilloscope

A/R-6-10 dB, 50 OHM attenuator (pad)

Typical test equipment setups are shown in Figures A and B. Refer to the following pages for tuning of the “FP”, “FR” and “FQ” filters.



* It is recommended to use A 6-10 dB attenuator pad in the input lines in order to reduce VSWR reflections which may be introduced in the test equipment being used.