“FP”, “FR”, “FQ” Series
7 and 10 Inch Diameter Cavity Filters

Description
The basic cavity filter is constructed of a 7-inch diameter aluminum cylinder with a coaxial inner conductor of brass and copper. Silver plating and chromate conversion coatings are used to inhibit corrosion and enhance performance. Temperature compensation is achieved through the use of an invar tuning rod, which results in extremely low frequency drift over the operating temperature range, typically 0.5 ppm/°C.

DIMENSIONS
BASIC CAVITY

DIMENSIONS: ALL SINGLE CAVITY FILTERS (FP, FR, FQ, SERIES)
A 5.25 TO 103 - DEPENDING UPON FREQUENCY BAND
B 5 TO 25 - ADJUSTABLE TO FREQUENCY IN BAND
C 6.87 OR 10 DIAMETER

"FP" SERIES
BAND PASS
FILTERS

"FR" SERIES
NOTCH
FILTERS

"FQ" SERIES
Q-CIRCUIT
FILTERS

SEE NOTE ON PAGE CI-1053
FOR VARIOUS "T"
CONFIGURATIONS

"T" CONN
(IN/OUT)

HOLE COVER

(HOLE COVER)

"T" CONN AND LOOP WITH ADJUSTABLE CAPACITOR

ROTATABLE LOOPS WITH 3 SET SCREWS (2 PLACES)