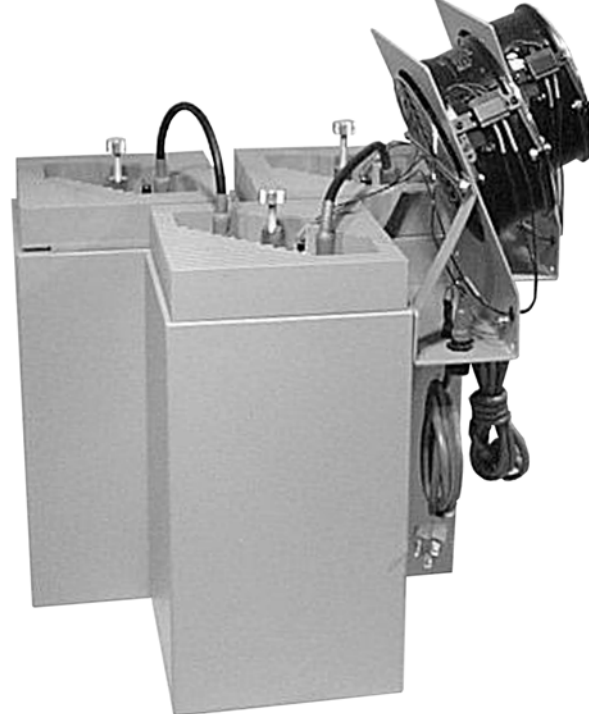


## **CAVITY RESONATOR APPLICATION NOTES:**

- Specify operating frequency and coupling factor with order.
- Single cavity models do not include 19" rack mounting equipment.
- Models with an "H" after the slash (/) include additional heat sinking
- Models with a "F" after the slash include a thermally activated 115 VAC forced air cooling fan for continuous duty applications. Fans using other than 115 VAC are available, please contact the factory concerning your application.
- Band pass cavities have adjustable coupling loops. Contact the factory for specific loss coupling ranges.
- Power ratings listed are based on 1 dB insertion loss setting in the cavity resonator.
- Connectors, other than those listed, are available upon request, please contact the factory with your requirements.
- Band pass cavity input power ratings are for nominal 1 dB loop coupling factor. Contact the factory for loop settings at higher and lower input powers.
- Cavity height dimensions do not include resonant rod height which is frequency dependent.
- Insertion Loss: Single Cavity Resonator 0.5 to 2.0 dB  
Dual Cavity Resonator 1.0 to 4.0 dB  
Triple Cavity Resonator 1.5 to 6.0 dB



## **CRYSTAL CAVITY APPLICATION NOTES:**

- Please refer to the Cavity Resonator Application notes above in addition to those listed below.
- Specify frequency and coupling factor for band pass cavities used with crystal filters. Overall insertion loss specifications are based on nominal 1 dB coupling loss through the band pass cavity resonator.
- Crystal Cavity prices are based on a "List-Plus-Net". The crystal filter price is a fixed net price of \$600.00 (subject to change without notification). Exact operating frequency must be specified for front-end crystal filters. Crystal filters cannot be returned to the factory for any reason other than warranty repair.

## **ISO-CAV APPLICATION NOTES:**

- Specify exact transmit frequency and transmitter power level when ordering.
- Noise rejection and insertion loss are directly related and are adjusted through cavity coupling loops (0.5-2.0 dB per cavity). The higher the insertion loss the greater the noise rejection will be; lower insertion loss translates to less noise rejection.
- Please refer to all application notes concerning isolators on page-- and the cavity resonator application notes above.
- All Iso-Cavs have N Female input and output connectors. Contact the factory for other connector types.
- Contact the factory for recommendations regarding equipment selection as well as available options which are not listed.
- 19" rack mounting bars are included.
- Isolators are offset tuned to accommodate for drift under power.