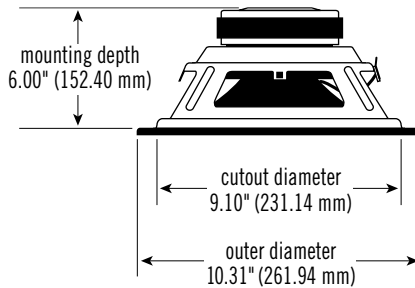


## SPECIFICATIONS

|                             |   |
|-----------------------------|---|
| DIAMETER:                   | 10" (254.0 mm)                                  |
| SENSITIVITY (2.83 V @ 1 m): | 94 dB (IN-CAR @ 40 Hz)                          |
| POWER HANDLING:             | 350 W <sub>RMS</sub> (1,400 W <sub>PEAK</sub> ) |
| FREQUENCY RESPONSE:         | 18 ~ 150 Hz                                     |
| NOMINAL IMPEDANCE:          | 4 OHMS  |
| VOICE-COIL DIAMETER:        | 2.0" (50.8 mm)                                  |

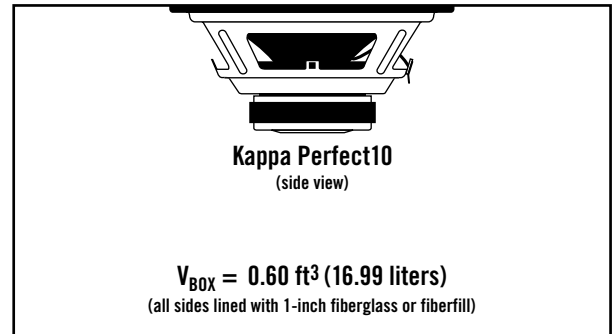
### DIMENSIONS:



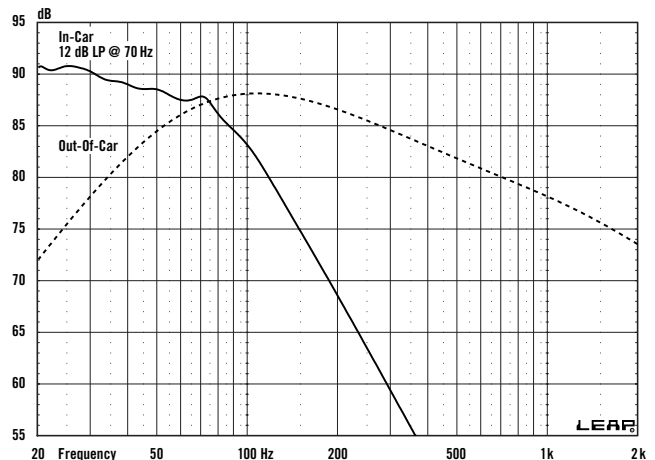
## THIELE-SMALL PARAMETERS

|                                |                                       |        |
|--------------------------------|---------------------------------------|--------|
| VOICE COIL DC RESISTANCE:      | $R_{EVC}$ (OHMS) . . . . .            | 4.11   |
| VOICE COIL INDUCTANCE @ 1 kHz: | $L_{EVC}$ (MH) . . . . .              | 2.96   |
| DRIVER RADIATING AREA:         | $S_D$ (IN <sup>2</sup> ) . . . . .    | 53.40  |
|                                | $S_D$ (CM <sup>2</sup> ) . . . . .    | 346.00 |
| MOTOR FORCE FACTOR:            | $BL$ (TM) . . . . .                   | 16.64  |
| COMPLIANCE VOLUME:             | $V_{AS}$ (FT <sup>3</sup> ) . . . . . | 1.36   |
|                                | $V_{AS}$ (LITERS) . . . . .           | 32.13  |
| SUSPENSION COMPLIANCE:         | $C_{MS}$ (μM/N) . . . . .             | 189.00 |
| MOVING MASS, AIR LOAD:         | $M_{MS}$ (GRAMS) . . . . .            | 166.71 |
| MOVING MASS, DIAPHRAGM:        | $M_{MD}$ (GRAMS) . . . . .            | 163.01 |
| FREE-AIR RESONANCE:            | $F_S$ (Hz) . . . . .                  | 28.35  |
| MECHANICAL Q:                  | $Q_{MS}$ . . . . .                    | 8.83   |
| ELECTRICAL Q:                  | $Q_{ES}$ . . . . .                    | 0.44   |
| TOTAL Q:                       | $Q_{TS}$ . . . . .                    | 0.42   |
| MAGNETIC-GAP HEIGHT:           | $H_{AG}$ (IN) . . . . .               | 0.39   |
|                                | $H_{AG}$ (MM) . . . . .               | 9.80   |
| VOICE-COIL HEIGHT:             | $H_{VC}$ (IN) . . . . .               | 1.50   |
|                                | $H_{VC}$ (MM) . . . . .               | 38.10  |
| MAXIMUM EXCURSION:             | $X_{MAX}$ (IN) . . . . .              | 0.56   |
|                                | $X_{MAX}$ (MM) . . . . .              | 14.15  |

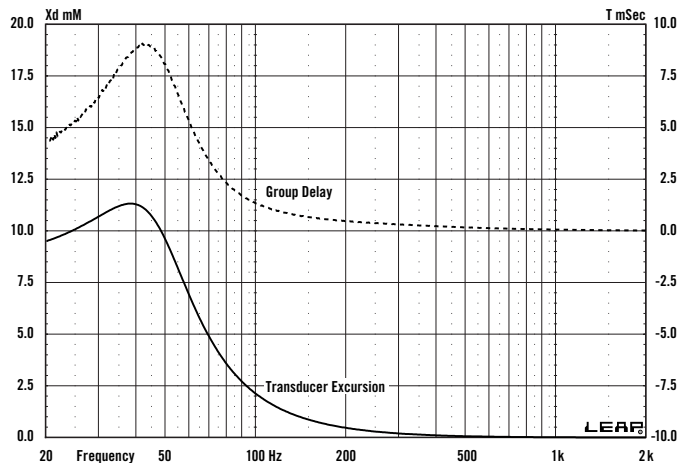
## SEALED BOX VOLUME



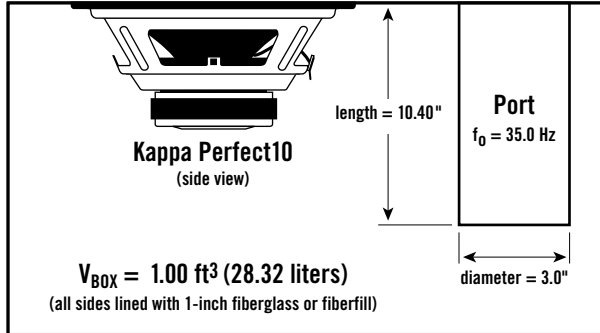
## SEALED FREQUENCY RESPONSE @ 2.83 V



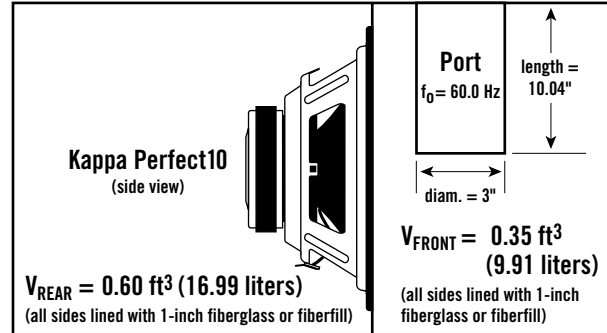
## SEALED EXCURSION/GROUP DELAY @ 400 W



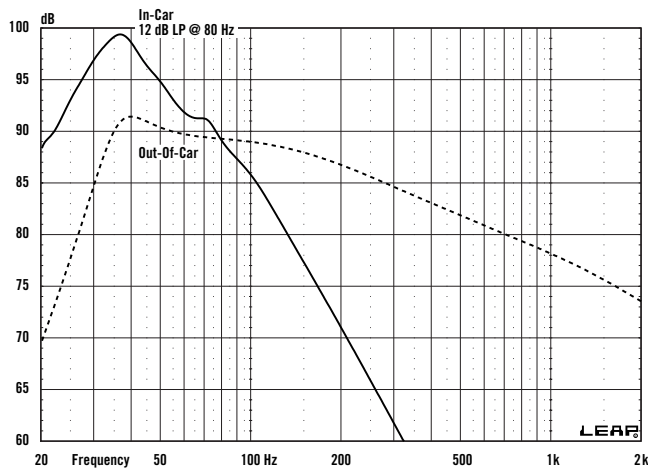
**VENTED  
BOX VOLUME**



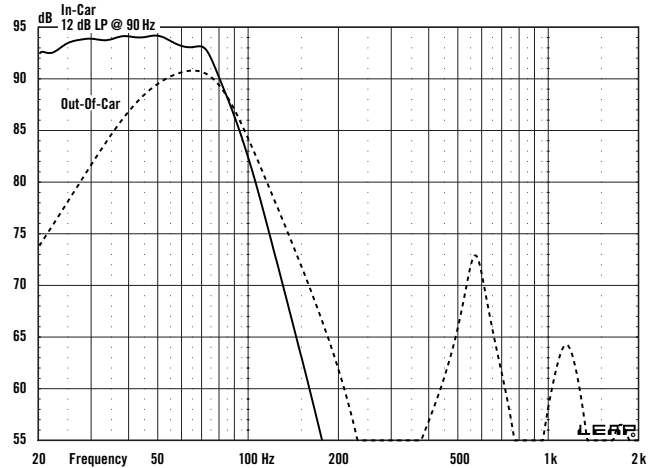
**SEALED BANDPASS  
BOX VOLUME**



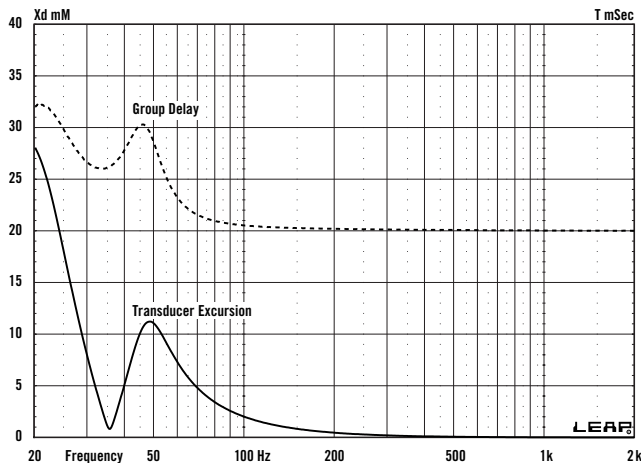
**VENTED  
FREQUENCY RESPONSE @ 2.83 V**



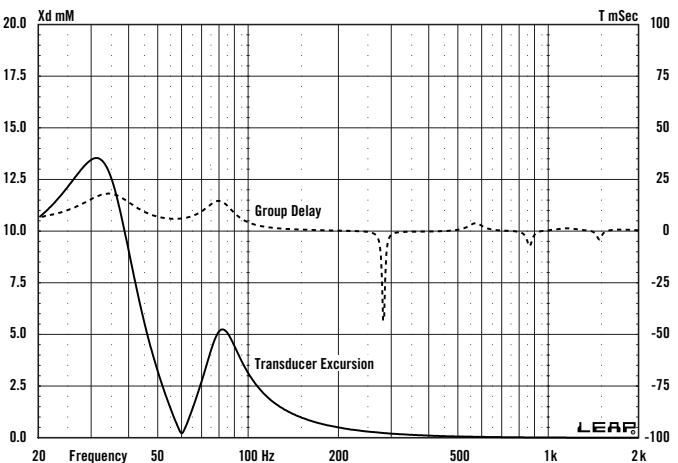
**SEALED BANDPASS  
FREQUENCY RESPONSE @ 2.83 V**



**VENTED  
EXCURSION/GROUP DELAY @ 600 W**



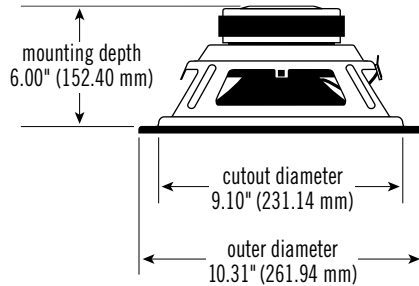
**SEALED BANDPASS  
EXCURSION/GROUP DELAY @ 350 W**



## SPECIFICATIONS

|                             |   |
|-----------------------------|---|
| DIAMETER:                   | 10" (254.0 mm)                                  |
| SENSITIVITY (2.83 V @ 1 m): | 94 dB (IN-CAR @ 40 Hz)                          |
| POWER HANDLING:             | 350 W <sub>RMS</sub> (1,400 W <sub>PEAK</sub> ) |
| FREQUENCY RESPONSE:         | 18 ~ 150 Hz                                     |
| NOMINAL IMPEDANCE:          | 4 OHMS  |
| VOICE-COIL DIAMETER:        | 2.0" (50.8 mm)                                  |

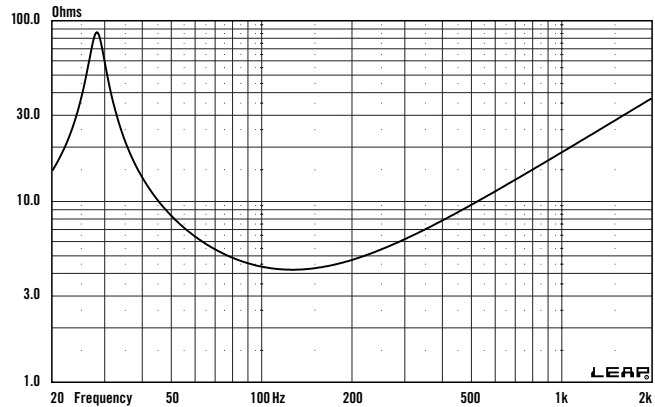
**DIMENSIONS:**



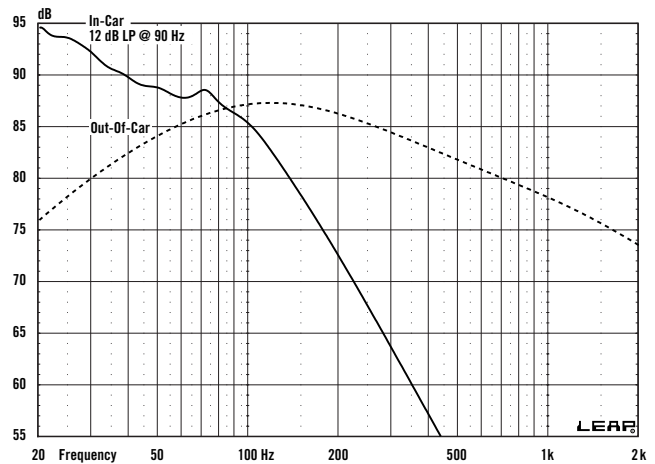
## THIELE-SMALL PARAMETERS

|                                |                                       |        |
|--------------------------------|---------------------------------------|--------|
| VOICE COIL DC RESISTANCE:      | $R_{EVC}$ (OHMS) . . . . .            | 4.11   |
| VOICE COIL INDUCTANCE @ 1 kHz: | $L_{EVC}$ (MH) . . . . .              | 2.96   |
| DRIVER RADIATING AREA:         | $S_D$ (IN <sup>2</sup> ) . . . . .    | 53.40  |
|                                | $S_D$ (CM <sup>2</sup> ) . . . . .    | 346.00 |
| MOTOR FORCE FACTOR:            | $BL$ (TM) . . . . .                   | 16.64  |
| COMPLIANCE VOLUME:             | $V_{AS}$ (FT <sup>3</sup> ) . . . . . | 1.36   |
|                                | $V_{AS}$ (LITERS) . . . . .           | 32.13  |
| SUSPENSION COMPLIANCE:         | $C_{MS}$ (µM/N) . . . . .             | 189.00 |
| MOVING MASS, AIR LOAD:         | $M_{MS}$ (GRAMS) . . . . .            | 166.71 |
| MOVING MASS, DIAPHRAGM:        | $M_{MD}$ (GRAMS) . . . . .            | 163.01 |
| FREE-AIR RESONANCE:            | $F_S$ (Hz) . . . . .                  | 28.35  |
| MECHANICAL Q:                  | $Q_{MS}$ . . . . .                    | 8.83   |
| ELECTRICAL Q:                  | $Q_{ES}$ . . . . .                    | 0.44   |
| TOTAL Q:                       | $Q_{TS}$ . . . . .                    | 0.42   |
| MAGNETIC-GAP HEIGHT:           | $H_{AG}$ (IN) . . . . .               | 0.39   |
|                                | $H_{AG}$ (MM) . . . . .               | 9.80   |
| VOICE-COIL HEIGHT:             | $H_{VC}$ (IN) . . . . .               | 1.50   |
|                                | $H_{VC}$ (MM) . . . . .               | 38.10  |
| MAXIMUM EXCURSION:             | $X_{MAX}$ (IN) . . . . .              | 0.56   |
|                                | $X_{MAX}$ (MM) . . . . .              | 14.15  |

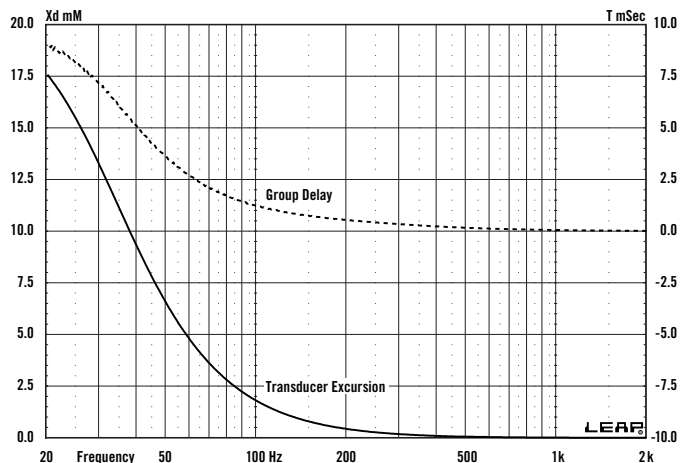
## IMPEDANCE CURVE



## INFINITE Baffle FREQUENCY RESPONSE @ 2.83 V



## INFINITE Baffle EXCURSION/GROUP DELAY @ 250 W

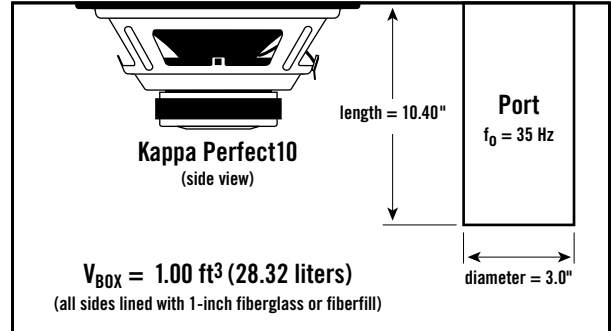


# Infinity Kappa Perfect10 10" Woofer – Technical Data

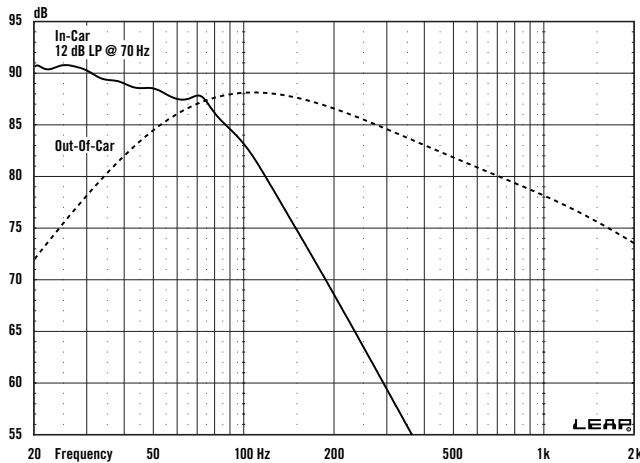
## SEALED BOX VOLUME



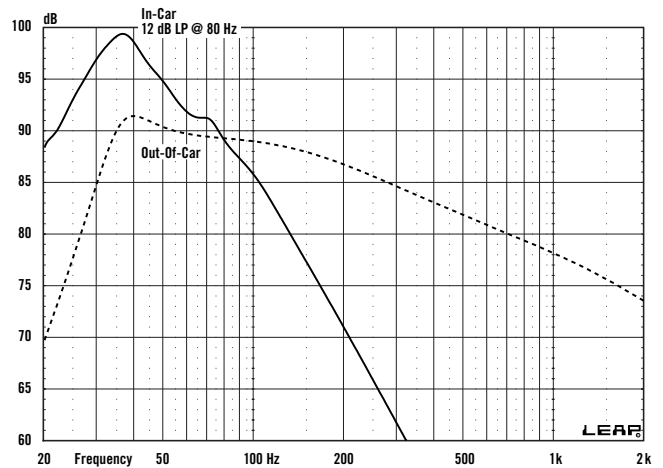
## VENTED BOX VOLUME



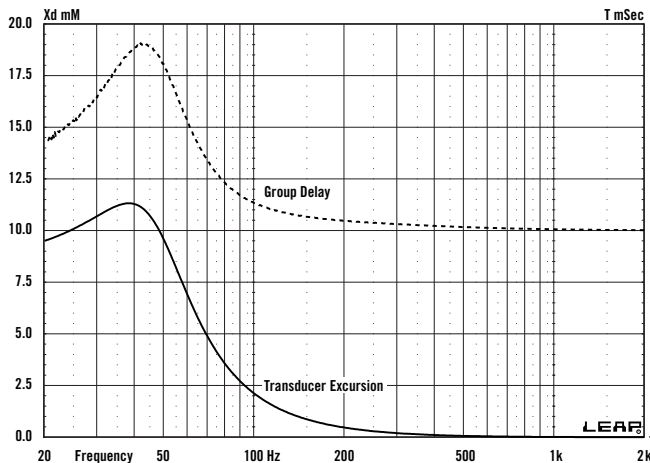
## SEALED FREQUENCY RESPONSE @ 2.83 V



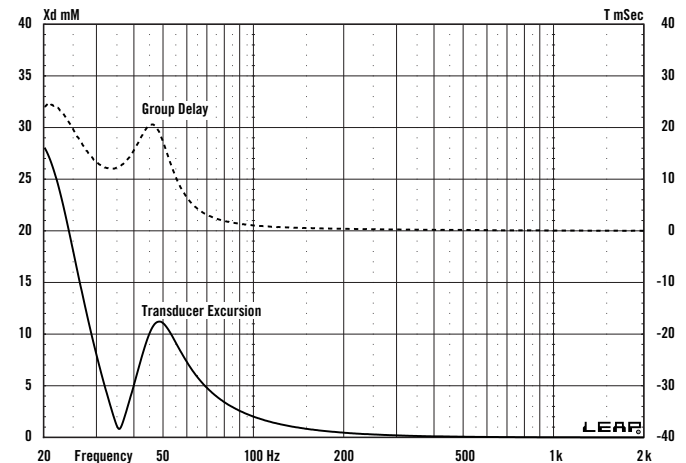
## VENTED FREQUENCY RESPONSE @ 2.83 V



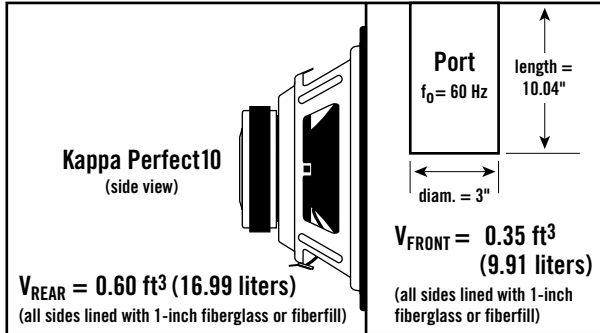
## SEALED EXCURSION/GROUP DELAY @ 400 W



## VENTED EXCURSION/GROUP DELAY @ 600 W

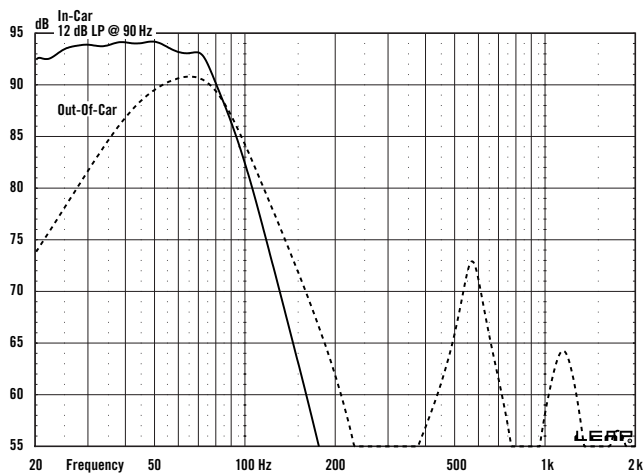


## SEALED BANDPASS BOX VOLUME



## NOTES

## SEALED BANDPASS FREQUENCY RESPONSE @ 2.83 V



## SEALED BANDPASS EXCURSION/GROUP DELAY @ 350 W

