

FR42Ind

☀ 4 inch ☀ 40 Watts
☀ 88 dB ☀ 90 ~ 17k Hz



KEY FEATURES:

- ① 80W continuous program power capacity
- ② 88dB sensitivity, 1w/1m
- ③ 20mm(0.8") high temperature CCAW voice coil
- ④ Vented voice coil former increases airflow to provide enhanced cooling
- ⑤ Strong and light fiberglass cone remains rigid to higher frequencies
- ⑥ Rubber edge
- ⑦ High grade neodymium ring allows a high force factor(B) and lighter weight
- ⑧ Ideal for mini array systems, full range application.

GENERAL SPECIFICATIONS

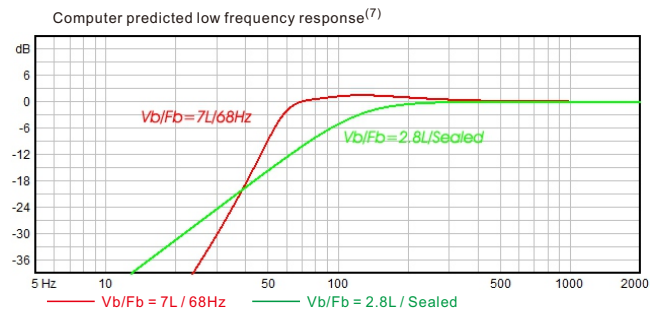
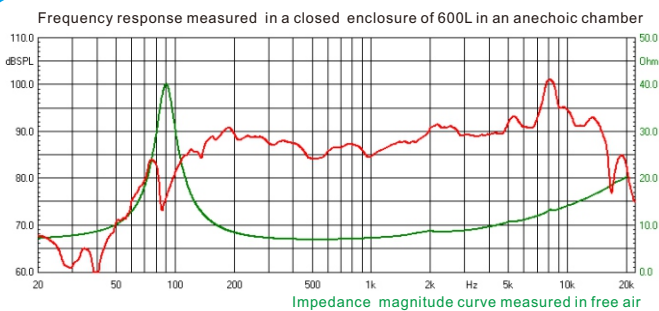
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|-------------------------------------|---------------|
| Nominal Diameter | 100mm /4inch |
| Rated Impedance | 8 ohm |
| Nominal Power handling ¹ | 40 Watts |
| Program Power ² | 80 Watts |
| Sensitivity(1w/1m) ³ | 88 dB |
| Frequency Range ⁴ | 90 ~ 16k Hz |
| Minimum Impedance(Zmin) | 6.8 ohm |
| Voice Coil Diameter | 20mm /0.8inch |
| Voice Coil Material | CCA W |
| Former Material | Glass Fiber |
| Voice Coil Winding Depth | 6 mm |
| Number of layers | 2 |
| Magnet gap depth | 4 mm |
| Basket | Pressed Steel |
| Flux Density | 1.2 T |
| Magnet Out Diameter/Wgt | Neodymium |

THIELE - SMALL PARAMETERS⁵

| | | |
|--|------|-----------------------|
| Resonance frequency | Fs | 90 Hz |
| DC resistance | Re | 6.4 ohm |
| Mechanical factor | Qms | 4.0 |
| Electrical factor | Qes | 0.76 |
| Total factor | Qts | 0.64 |
| Mechanical compliance | Cms | 0.69 mm/N |
| Mechanical resistance of total-driver losses | Rms | 0.637 kg/s |
| Effective Moving Mass | Mms | 4.5 g |
| Half-space efficiency | Eff | 0.25% |
| BL Factor | BL | 4.6 T.m |
| Equivalent Cas air load | Vas | 2.7 liters |
| Effective piston area | Sd | 0.0053 m ² |
| Max. linear excursion ⁶ | Xmax | ± 2 mm |
| Max. excursion before damage | Xdam | ±5.5mm |
| Voice coil inductance(1kHz) | Le | 0.16 mH |
| Efficiency Bandwidth Product | EBP | 118 |

MOUNTING INFORMATION

| | |
|-------------------------------|---------------|
| Overall Diameter | 127 mm |
| Bolt Circle Diameter | 115 mm |
| Bolt Hole Diameter | 5 mm |
| Baffle Cutout Diameter | 103 mm |
| Overall Depth | 55 mm |
| Air volume occupied by driver | 0.1 liters |
| Net Weight | 0.22 kg / pc |
| Shipping Weight | 6 kg / 24pcs |
| Shipping Box | 430*340*225mm |



NOTES:

1. AES standard
2. Program Power is defined as 3 dB greater than the nominal power handling.
3. Sensitivity is measured at 1W input on rated impedance at 1m on axis.
4. Frequency range is defined as the band of frequencies delineated by the lower and upper limits where the output level drops by 10dB below the rated sensitivity.
5. T/S parameters measured with laser system BEFORE preconditioning test.
6. The maximum linear excursion is calculated as: $(Hvc-Hg)/2+Hg/4$ where Hvc is the voice coil depth and Hg is the gap depth.
7. Vb: Net internal volume of box after subtracting the volume of internal objects.