

M5010

☀️ 10 inch ☀️ 180 Watts
☀️ 95 dB ☀️ 55 ~ 2800 Hz



KEY FEATURES:

- ① 360 W continuous program power capacity
- ② High sensitivity: 95dB/1w/1m
- ③ 55 ~ 2800Hz frequency response range
- ④ 2" copper voice coil wounded on fiberglass former
- ⑤ Semi-pressed paper cone with pressed dust cap
- ⑥ Ideal for compact multi-way systems or woofer application

GENERAL SPECIFICATIONS

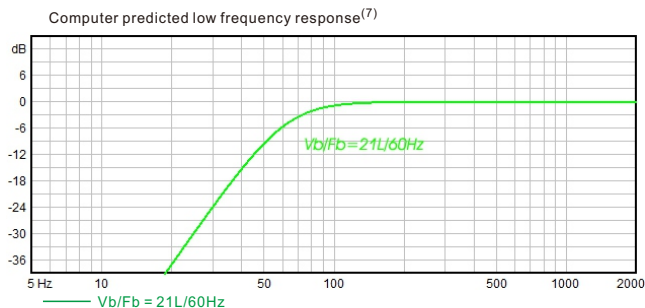
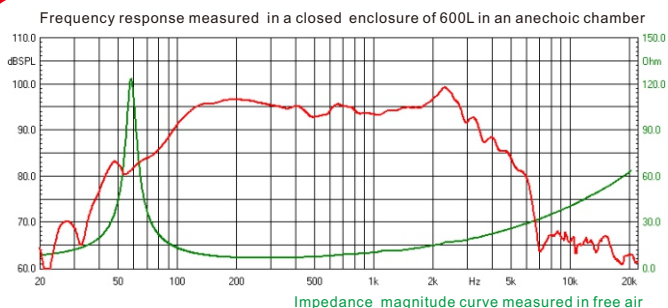
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|-------------------------------------|---------------|
| Nominal Diameter | 250mm /10inch |
| Rated Impedance | 8 ohm |
| Nominal Power handling ¹ | 180 Watts |
| Program Power ² | 360 Watts |
| Sensitivity(1w/1m) ³ | 95 dB |
| Frequency Range ⁴ | 55 ~ 2800Hz |
| Minimum Impedance(Zmin) | 6.5 ohm |
| Voice Coil Diameter | 50mm /2inch |
| Voice Coil Material | Copper |
| Former Material | Fiberglass |
| Voice Coil Winding Depth | 18 mm |
| Number of layers | 2 |
| Magnet gap depth | 8 mm |
| Basket | Cast Aluminum |
| Flux Density | 1.1T |
| Magnet Out Diameter/Wgt | 140mm / 45 oz |

THIELE - SMALL PARAMETERS⁵

| | | |
|--|------|-----------------------|
| Resonance frequency | Fs | 58 Hz |
| DC resistance | Re | 5.3 ohm |
| Mechanical factor | Qms | 8.6 |
| Electrical factor | Qes | 0.39 |
| Total factor | Qts | 0.37 |
| Mechanical compliance | Cms | 0.20 mm/N |
| Mechanical resistance of total-driver losses | Rms | 1.5 kg/s |
| Effective Moving Mass | Mms | 36.5 g |
| Half-space efficiency | Eff | 1.7% |
| BL Factor | BL | 13.5 T.m |
| Equivalent Cas air load | Vas | 35 liters |
| Effective piston area | Sd | 0.0350 m ² |
| Max. linear excursion ⁶ | Xmax | ± 6.5 mm |
| Max. excursion before damage | Xdam | ±14.3mm |
| Voice coil inductance(1kHz) | Le | 0.91 mH |
| Efficiency Bandwidth Product | EBP | 148 |

MOUNTING INFORMATION

| | |
|-------------------------------|---------------|
| Overall Diameter | 261 mm |
| Bolt Circle Diameter | 246 mm |
| Bolt Hole Diameter | 5.5 mm |
| Baffle Cutout Diameter | 228 mm |
| Overall Depth | 113 mm |
| Air volume occupied by driver | 1.7 liters |
| Net Weight | 3.5 kg |
| Shipping Weight | 4 kg |
| Shipping Box | 275x275x130mm |



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.