

M5210

☀️ 10 inch ☀️ 250 Watts
☀️ 94 dB ☀️ 48 ~ 3200 Hz



KEY FEATURES:

- ① 500 W continuous program power capacity
- ② 94 dB Sensitivity 1w/1m
- ③ 48Hz ~3200Hz frequency response range
- ④ 2.5" voice coil with Kapton former
- ⑤ Improved heat dissipation via unique basket design and multiple backplate vents
- ⑥ Ideal for high quality compact 2 or 3-way systems

GENERAL SPECIFICATIONS

Nominal Diameter	250mm / 10inch
Rated Impedance	8 ohm
Nominal Power handling ¹	250 Watts
Program Power ²	500 Watts
Sensitivity(1w/1m) ³	94 dB
Frequency Range ⁴	48 ~ 3200 Hz
Minimum Impedance(Zmin)	6.6 ohm
Voice Coil Diameter	65mm / 2.5inch
Voice Coil Material	Copper
Former Material	Polyimide
Voice Coil Winding Depth	16 mm
Number of layers	2
Magnet gap depth	8 mm
Basket	Cast Aluminum
Flux Density	1.1T
Magnet Outer Diameter / Wgt	156mm / 50 oz

THIELE - SMALL PARAMETERS⁵

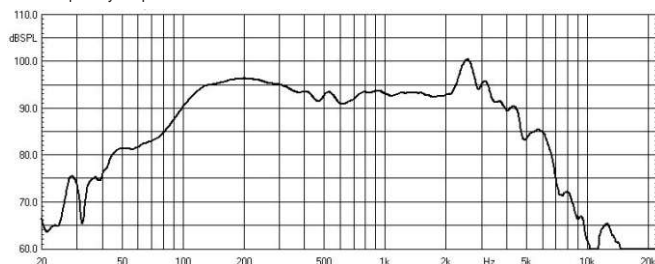
Resonance frequency	Fs	51 Hz
DC resistance	Re	5.4 ohm
Mechanical factor	Qms	9.8
Electrical factor	Qes	0.31
Total factor	Qts	0.30
Mechanical compliance	Cms	0.24 mm/N
of suspension losses	Rms	1.35 mech-ohm
Effective Moving Mass	Mms	39 g
Half-space efficiency	Eff	1.83%
BL Factor	BL	14.8 T.m
Equivalent Cas air load	Vas	43 liters
Effective piston area	Sd	0.0356 m ²
Max. linear excursion ⁶	Xmax	6 mm
Voice coil inductance	Le1K	1.1 mH
Efficiency Bandwidth Product	EBP	164

MOUNTING INFORMATION

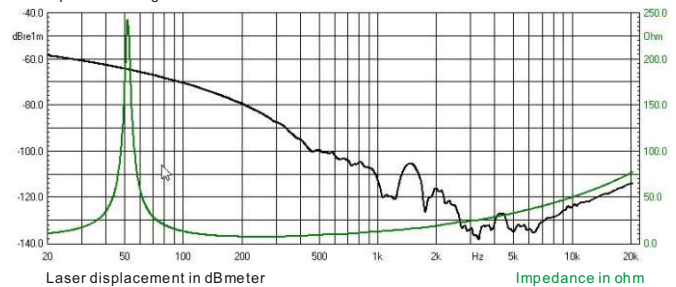
Overall Diameter	261 mm
Bolt Circle Diameter	246 mm
Bolt Hole Diameter	5.5 mm
Baffle Cutout Diameter	228 mm
Overall Depth	114 mm
Net Weight	4.2 kg
Shipping Weight	4.7 kg
Shipping Box	295x295x155mm



Frequency response measured in a closed enclosure of 600L in an anechoic chamber



Impedance magnitude curve measured in free air



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 without preconditioning test at 23 Celsius degree environment.
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.