

# M5215



☀️ 15 inch ☀️ 450 Watts  
☀️ 99 dB ☀️ 45 ~ 2800 Hz



## KEY FEATURES:

- ① 900 W continuous program power capacity
- ② Sensitivity: 99dB 1w/1m
- ③ 76mm(3") high temperature inside/outside voice coil with copper clad aluminum wire
- ④ 7DF paper cone, made in USA
- ⑤ M-roll surround and curved cone geometry
- ⑥ Ideal for high quality compact 2 or 3-way systems

## GENERAL SPECIFICATIONS

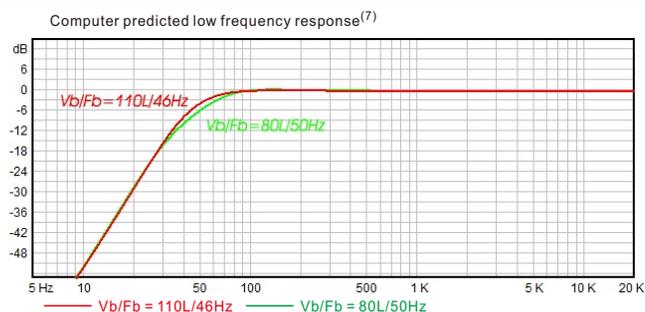
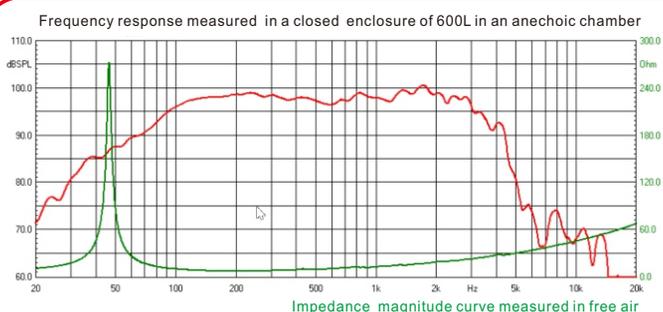
Nominal Diameter	380mm /15inch
Rated Impedance	8 ohm
Nominal Power handling <sup>1</sup>	450 Watts
Program Power <sup>2</sup>	900 Watts
Sensitivity(1w/1m) <sup>3</sup>	99 dB
Frequency Range <sup>4</sup>	45 ~ 2800Hz
Minimum Impedance(Zmin)	7 ohm
Voice Coil Diameter	76mm /3inch
Voice Coil Material	CCAW
Former Material	Polyimide
Voice Coil Winding Depth	18 mm
Number of layers	2(inside/outside)
Magnet gap depth	10 mm
Basket	Cast Aluminum
Flux Density	1.2 T
Magnet Out Diameter/Wgt	190mm / 78 oz

## THIELE - SMALL PARAMETERS<sup>5</sup>

Resonance frequency	Fs	47 Hz
DC resistance	Re	5.6 ohm
Mechanical factor	Qms	14
Electrical factor	Qes	0.43
Total factor	Qts	0.42
Mechanical compliance	Cms	0.13 mm/N
Mechanical resistance of total-driver losses	Rms	1.3 kg/s
Effective Moving Mass	Mms	90 g
Half-space efficiency	Eff	3.3%
BL Factor	BL	18.4 T.m
Equivalent Cas air load	Vas	132 liters
Effective piston area	Sd	0.0892 m <sup>2</sup>
Max. linear excursion <sup>6</sup>	Xmax	± 6.5 mm
Max. excursion before damage	Xdam	±18.1 mm
Voice coil inductance(1kHz)	Le	0.93 mH
Efficiency Bandwidth Product	EBP	109

## MOUNTING INFORMATION

Overall Diameter	393 mm
Bolt Circle Diameter	375 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	355 mm
Overall Depth	168 mm
Air volume occupied by driver	5 liters
Net Weight	8.1 kg
Shipping Weight	9.2 kg
Shipping Box	430x430x205 mm



## NOTES:

- AES standard
- Program Power is defined as 3 dB greater than the nominal power handling.
- Sensitivity is measured at 1W input on rated impedance at 1m on axis.
- 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.
- Thiele-Small parameters are measured with Klippel DA LPM module BEFORE preconditioning test.
- 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.
- Vb: Net internal volume of box after subtracting the volume of internal objects.