

# PS10-50

☀️ 10 inch ☀️ 150 Watts  
☀️ 94 dB ☀️ 52 ~ 2800 Hz



## KEY FEATURES:

- ① 300 W continuous program power capacity
- ② 94dB Sensitivity 1w/1m
- ③ 52 ~ 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

Nominal Diameter	250mm /10inch
Rated Impedance	8 ohm
Nominal Power handling <sup>1</sup>	150 Watts
Program Power <sup>2</sup>	300 Watts
Sensitivity(1w/1m) <sup>3</sup>	94 dB
Frequency Range <sup>4</sup>	52 ~ 2800Hz
Minimum Impedance(Zmin)	6.3 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	Pressed Steel
Flux Density	1.1T
Magnet Out Diameter/Wgt	145mm / 42 oz

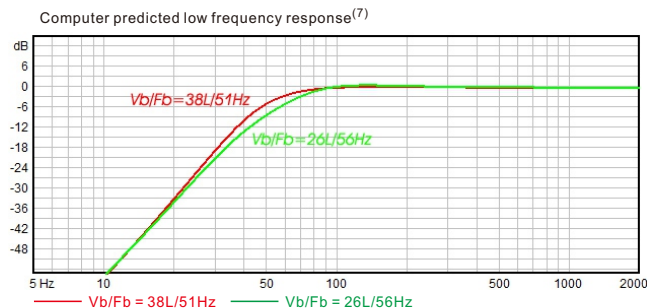
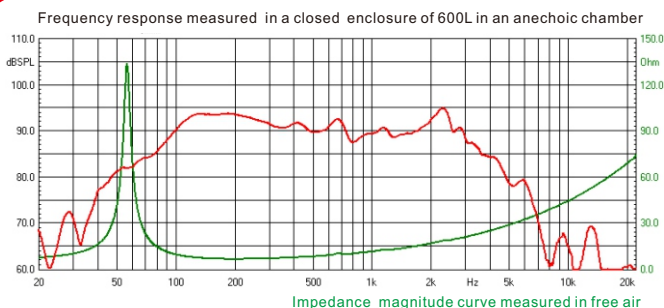
## THIELE - SMALL PARAMETERS<sup>5</sup>

Resonance frequency	Fs	55 Hz
DC resistance	Re	5.3 ohm
Mechanical factor	Qms	9.9
Electrical factor	Qes	0.45
Total factor	Qts	0.43
Mechanical compliance	Cms	0.24 mm/N
Mechanical resistance of total-driver losses	Rms	1.22 kg/s
Effective Moving Mass	Mms	34.9 g
Half-space efficiency	Eff	1.5%
BL Factor	BL	11.9 T.m
Equivalent Cas air load	Vas	42 liters
Effective piston area	Sd	0.0353 m <sup>2</sup>
Max. linear excursion <sup>6</sup>	Xmax	± 6.5 mm
Max. excursion before damage	Xdam	±13.7mm
Voice coil inductance(1kHz)	Le	1.0 mH
Efficiency Bandwidth Product	EBP	122

## MOUNTING INFORMATION

Overall Diameter	256.5 mm
Bolt Circle Diameter	242 mm
Bolt Hole Diameter	4.8 mm
Baffle Cutout Diameter	235 mm
Overall Depth	110 mm
Air volume occupied by driver	1.9 liters
Net Weight	3.5 kg
Shipping Weight	4 kg
Shipping Box	275x275x130mm

*Also available in 4ohm, data upon request.*



## 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.