IODM350

☀ **10 inch**   ☀ **350 Watts**
☀ **96.5 dB**   ☀ **63 ~ 3500 Hz**

KEY FEATURES:

① 700 W continuous program power capacity
② 96.5dB sensitivity 1w/1m
③ 63~3500Hz frequency response ragne
④ 2.5" inside/outside copper clad aluminum voice coil

⑤ Peak to Peak maximum excursion of 36mm
⑥ Double magnets allows a very high force factor and long driver displacement
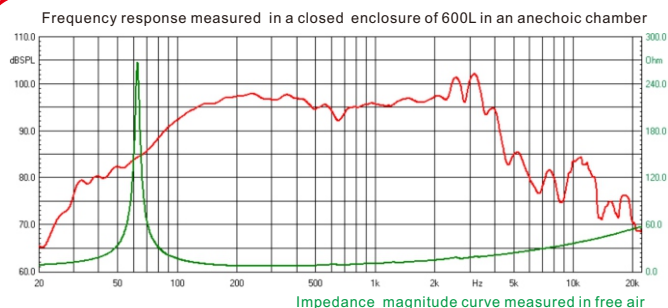⑦ Ideal for very compact 2−ways systems

GENERAL SPECIFICATIONS

Nominal Diameter	250mm /10inch
Rated Impedance	8 ohm
Nominal Power handling[1]	350 Watts
Program Power[2]	700 Watts
Sensitivity(1w/1m)[3]	96.5 dB
Frequency Range[4]	63~ 3500Hz
Minimum Impedance(Zmin)	6.4 ohm
Voice Coil Diameter	65mm /2.5inch
Voice Coil Material	CCAW
Former Material	Fiberglass
Voice Coil Winding Depth	17.5 mm
Number of layers	2(Inside/outside)
Magnet gap depth	8 mm
Basket	Cast Aluminum
Flux Density	1.3T
Magnet Out Diameter/Wgt	156mm / 100 oz

THIELE − SMALL PARAMETERS[5]

Resonance frequency	Fs	63 Hz
DC resistance	Re	5.3 ohm
Mechanical factor	Qms	13.1
Electrical factor	Qes	0.36
Total factor	Qts	0.36
Mechanical compliance	Cms	0.15 mm/N
Mechanical resistance of total-driver losses	Rms	0.89 kg/s
Effective Moving Mass	Mms	42.6 g
Half-space efficiency	Eff	1.7%
BL Factor	BL	15.7 T.m
Equivalent Cas air load	Vas	25.1 liters
Effective piston area	Sd	0.0346 m^2
Max. linear excursion[6]	Xmax	±6.7 mm
Max. excursion before damage	Xdam	±18 mm
Voice coil inductance(1kHz)	Le	0.74 mH
Efficiency Bandwidth Product	EBP	175

MOUNTING INFORMATION

Overall Diameter	261 mm
Bolt Circle Diameter	246 mm
Bolt Hole Diameter	5.5 mm
Baffle Cutout Diameter	228 mm
Overall Depth	137 mm
Air volume occupied by driver	1.9 liters
Net Weight	6.4 kg
Shipping Weight	7.0 kg
Shipping Box	295x295x175mm

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

Impedance magnitude curve measured in free air

Computer predicted low frequency response[7]

Vb/Fb=13L/68Hz

Vb/Fb = 13L/68Hz

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. Thiele-Small parameters are measured with Klippel DA LPM module 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.

Turbosonic PRO SPEAKERS