

MT6CX580CF-NDY-4

PRVA

audio

BRAZIL

Professional Coaxial Driver

KEY FEATURES

- 2.0" / 1/4" Voice coil
- 500 / 80 Watts continuous program power
- 95 / 106 dB Sensitivity
- Water-resistant carbon fiber cone

GENERAL SPECIFICATIONS

	Low Freq.	High Freq.
Nominal and Throat Diameter	6.5"(152mm)	1"(25.4mm)
Nominal impedance	4 Ohm	8 Ohm
Nominal Power Handling	250 Watt	40 Watt
Continuous Program Power (RMS)	500 Watt	80 Watt
Max Peak Power	1000 Watt	160 Watt
Sensitivity 2.00V at 1m	95 dB	106 dB
Recommended Hi Pass Crossover*	105 Hz*	1800 Hz*
<small>*For Full Power Handling</small>	<small>*12db/oct Crossover</small>	<small>*12db/oct Crossover</small>
Frequency Response	100-11kHz	1.300-20kHz
Voice Coil Diameter	2"(51 mm)	1.75"(44mm)
Voice Coil Wire	CCAW	CCAW
Voice Coil Winding Depth	11.0 mm	N/A
Former Material	Kapton	Kapton
Magnetic Gap Depth	8.0 mm	N/A
Frame and Diaphragm Material	Aluminum	Titanium

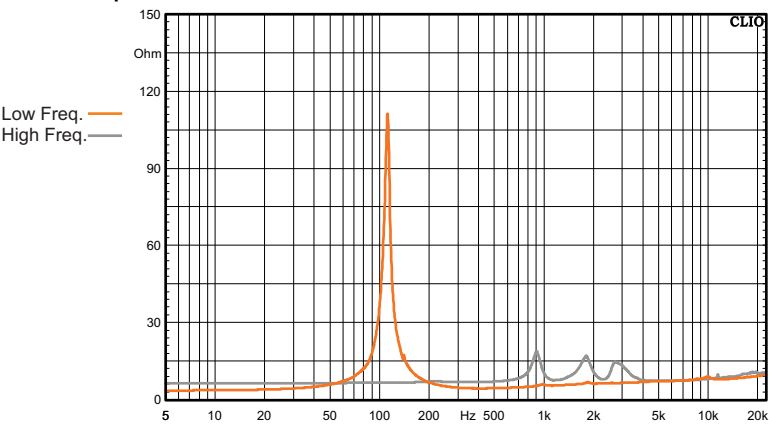
THIELE-SMALL PARAMETERS

Equivalent Volume	Vas	4.98 l
Excursion (mathematical)***	Xmax	3.50 mm
Free Air Resonance	Fs	112.2 Hz
Mechanical Factor	Qms	15.9
Electrical Factor	Qes	0.48
Total Factor	Qts	0.47
Cone Area	Sd	143 cm²
Mechanical Mass	Mms	11.89 g
Bl Factor	BL	7.52 Tm
Dc Resistance	Re	3.3 Ohm
Inductance	Le	0.119 mH at 1 kHz
Mechanical Mass Without Air	Mmd	10.90 g
Mechanical Compliance	Cms	0.169 mm/N

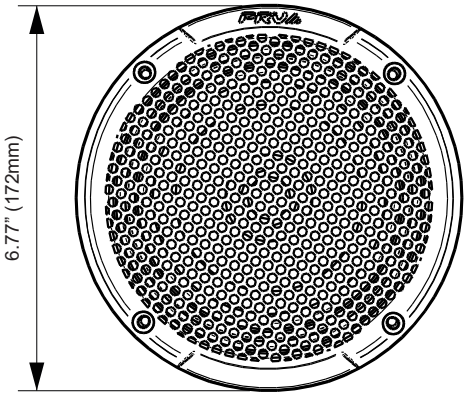
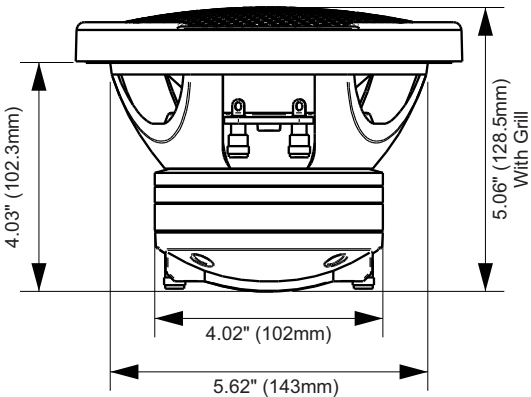
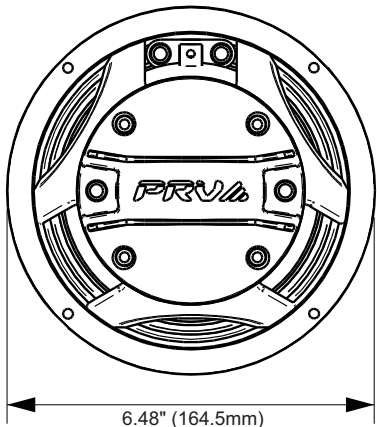
EXTRA INFO

Overall Speaker Diameter	6.48" (164.5 mm)
Front Mount Baffle Cutout	5.62" (143 mm)
Mounting Depth	4.03" (102.3 mm)
Overall Depth	5.06" (128.5 mm) With Grill
Net Weight	4.18 Lbs (1.9 kg)
Shipping Weight	4.62 Lbs (2.1 kg)
Carton Dimensions W x L x H	7.55"x 7.35" x 6.70" (192 x 186 x 170mm)

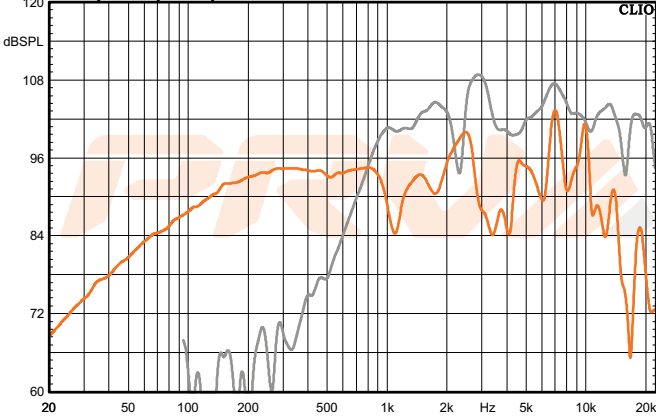
Impedance Curve - Free Air



***Xmax=(Voice coil winding depth-Magnetic Gap depth)/2+ Magnetic Gap Depth/4



Frequency Response Measured at 2.00V/1m



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