

MT6CX580-NDY-4

Professional Coaxial Driver

PRV
audio
BRAZIL

KEY FEATURES

- 2.0" / 1/4" Voice coil
- 500 / 80 Watts continuous program power
- 95 / 106 dB Sensitivity

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 Watts | 40 Watts |
| Continuous Program Power (RMS) | 500 Watts | 80 Watts |
| Max Peak Power | 1000 Watts | 160 Watts |
| Sensitivity 2.00V at 1m | 95 dB | 106 dB |
| Recommended Hi Pass Crossover* | 105 Hz* | 1800 Hz* |
| *For Full Power Handling | *12db/oct Crossover | *12db/oct Crossover |
| Frequency Response | 100-10kHz | 1.3-20kHz |
| 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 |

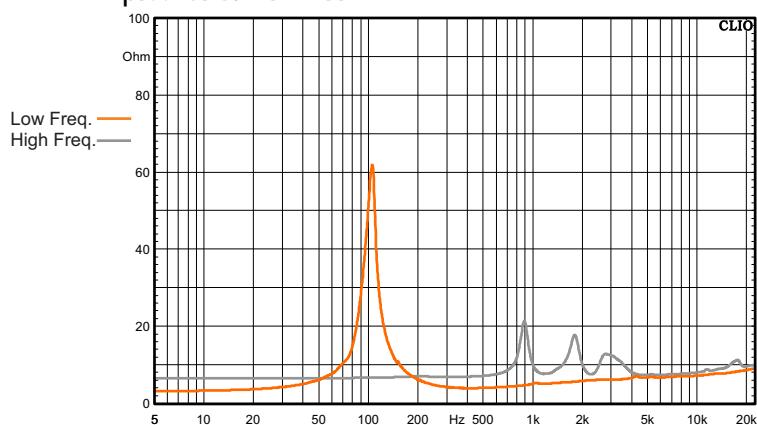
THIELE-SMALL PARAMETERS

| | | |
|-----------------------------|------|---------------------|
| Equivalent Volume | Vas | 5.77 l |
| Excursion (mathematical)*** | Xmax | 3.50 mm |
| Free Air Resonance | Fs | 105.9 Hz |
| Mechanical Factor | Qms | 8.54 |
| Electrical Factor | Qes | 0.43 |
| Total Factor | Qts | 0.41 |
| Cone Area | Sd | 143 cm ² |
| Mechanical Mass | Mms | 11.19 g |
| Bl Factor | Bl | 7.16 Tm |
| Dc Resistance | Re | 3.0 Ohm |
| Inductance | Le | 0.178 mH at 1 kHz |
| Mechanical Mass Without Air | Mmd | 10.33 g |
| Mechanical Compliance | Cms | 0.202 mm/N |

EXTRA INFO

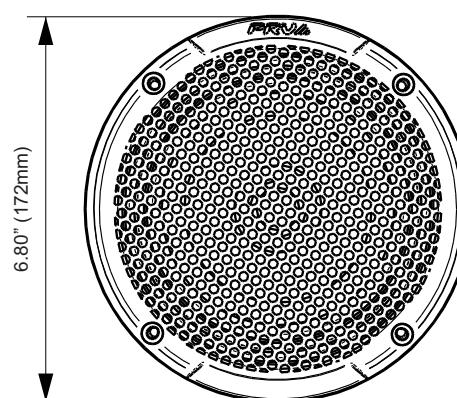
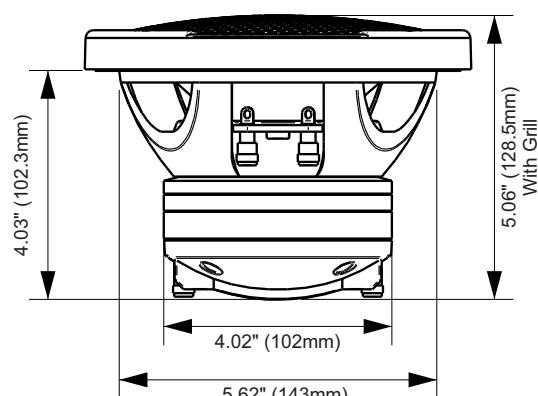
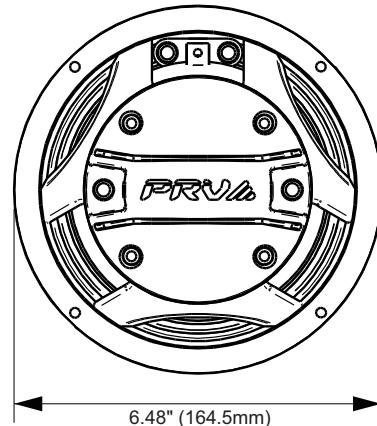
| | |
|-----------------------------|---|
| Overall Speaker Diameter | 6.48" (164.5 mm) |
| Front Mount Baffle Cutout | 5.62" (143 mm) |
| Mounting Depth | 4.03" (102.3 mm) |
| Overall Depth | 5.06" (128.5 mm) With Grill |
| Net Weight | 4.18 Lbs (1.9 kg) |
| Shipping Weight | 4.62 Lbs (2.1 kg) |
| Carton Dimensions W x L x H | 7.55"x 7.35" x 6.70" (192 x 187 x 170mm) |

Impedance Curve - Free Air

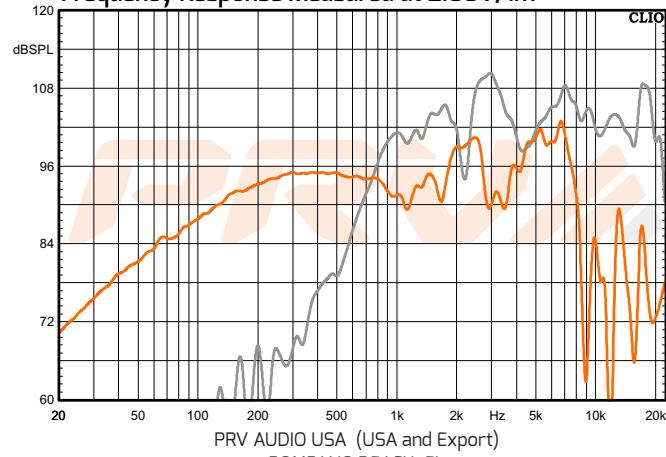


**Xmax=(Voice coil winding depth-Magnetic Gap depth)/2+ Magnetic Gap Depth/4

*** T-S parameters measured after 2 hours at 1/2 Rated power, pink noise preconditioning test



Frequency Response Measured at 2.00V/1m



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