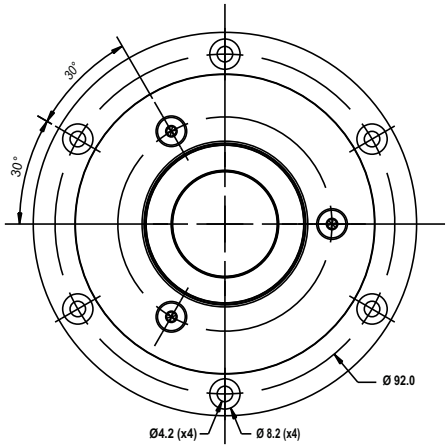
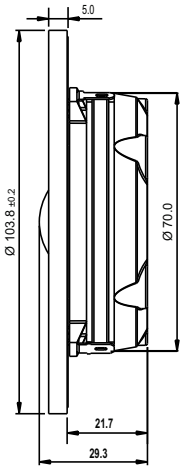
satori®

SATORI TW29DN-B-8

Preliminary data





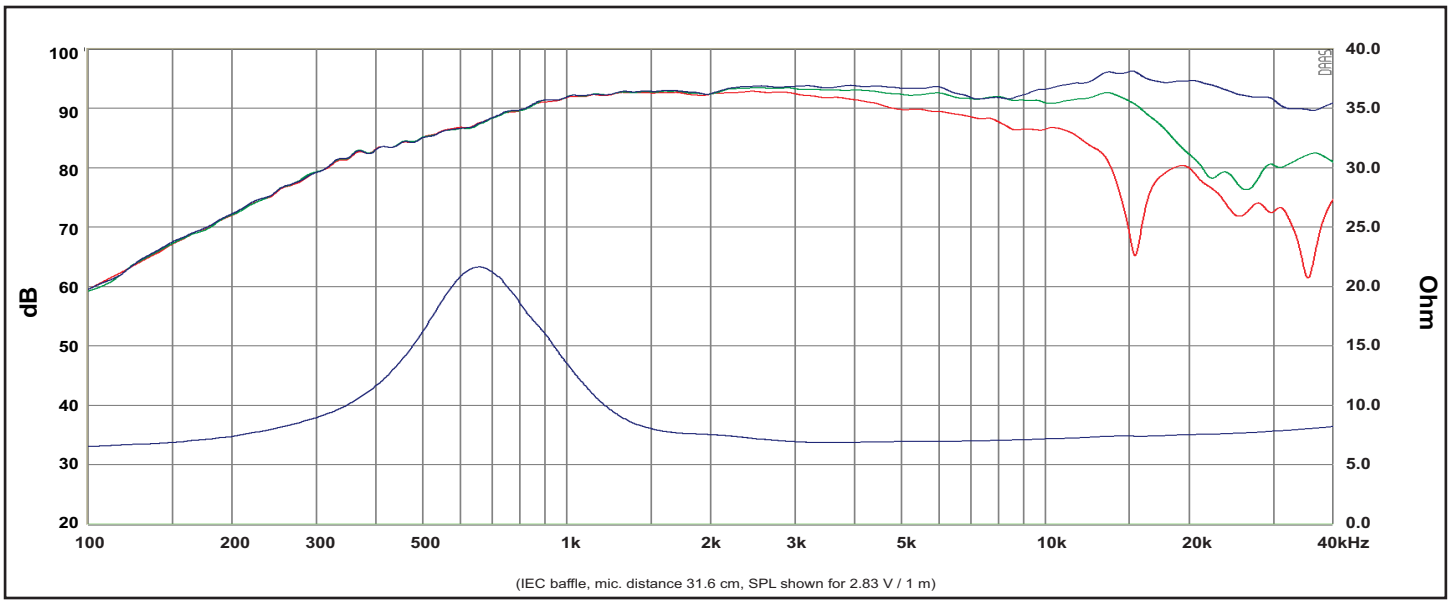
FEATURES

- Large surround dome for increased acoustic output.
- Dual balanced compression chamber for improved dynamics.
- Dual copper caps for absolute minimum voice coil inductance and minimum phase shift.
- Two part aluminium faceplate with integrated mechanical decoupling.
- High saturation neodymium motor system with T-shaped pole piece for lower distortion.
- Non-reflective cast aluminium chamber with optimized damping for improved dynamics.
- Shallow flow optimized magnet structure for optimum coupling to rear chamber.
- CCAW voice coil for low moving mass.
- Long life silver lead wires.
- Low resonance frequency for extended range.

Specs :

Nominal Impedance	8 Ω	Free air resonance, Fs	650 Hz
DC resistance, Re	6.2 Ω	Sensitivity (2.83 V / 1 m)	93 dB
Voice coil inductance, Le	0.04 mH	Mechanical Q-factor, Qms	1.61
Effective piston area, Sd	9.6 cm^2	Electrical Q-factor, Qes	0.65
Voice coil diameter	29 mm	Total Q-factor, Qts	0.46
Voice coil height	2.0 mm	Force factor, Bl	4.1 Tm
Air gap height	2.5 mm	Rated power handling*	80 W
Linear coil travel (p-p)	0.5 mm	Magnetic flux density	1.5 T
Moving mass incl. air, Mms	0.43 g	Magnet weight	0.10 kg
		Net weight	0.39 kg

* IEC 268-5, high-pass Butterworth, 2600 Hz, 12 dB/oct.



(IEC baffle, mic. distance 31.6 cm, SPL shown for 2.83 V / 1 m)

Response Curve :

—— (Blue) : on axis ------ (Green) : 30° off-axis -------- (Red) : 60° off-axis

REV.0 (22.03.2018)