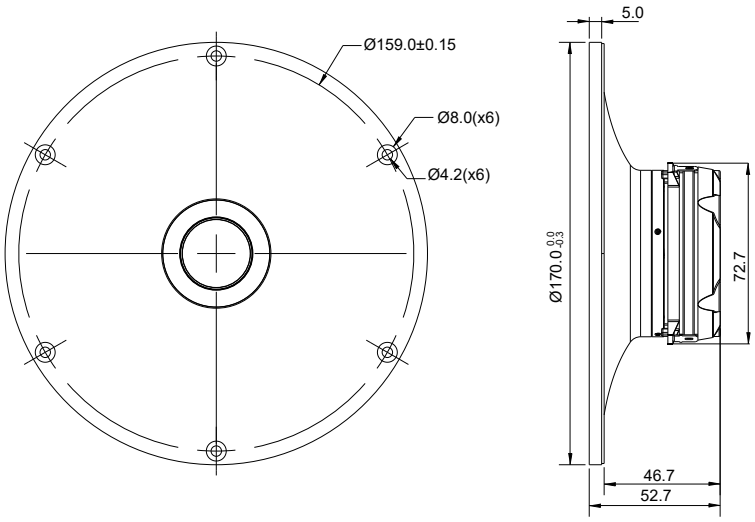
satori®

TW29BNWG-4

Preliminary Data



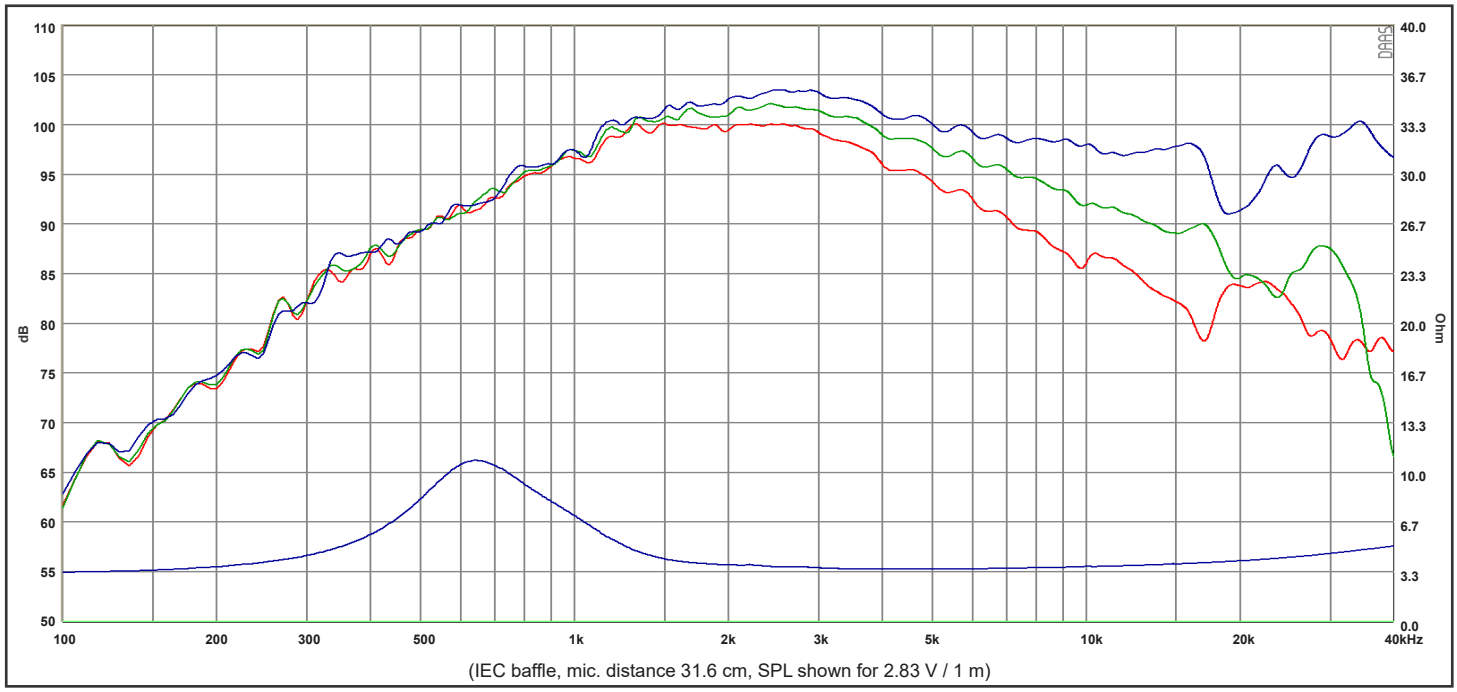
FEATURES

- Beryllium dome for non-resonant high frequency extension
- Dual balanced compression chambers for improved dynamics
- Dual copper caps for absolute minimum voice coil inductance and minimum phase shift
- 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
- Solid aluminium waveguide
- Controlled directivity
- Adapter ring for bolt-less mounting to driver

Specs :

Nominal Impedance	4 Ω	Free air resonance, Fs	700 Hz
DC resistance, Re	3.0 Ω	Sensitivity (2.83 V / 1 m)	97 dB
Voice coil inductance, Le	0.02 mH	Mechanical Q-factor, Qms	2.1
Effective piston area, Sd	9.6 cm^2	Electrical Q-factor, Qes	0.60
Voice coil diameter	29.0 mm	Total Q-factor, Qts	0.46
Voice coil height	2.0 mm	Force factor, Bl	3.1 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	0.46 g	Magnet weight	0.1 kg
		Net weight	0.63 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.3 (27.09.2022)