

# Tymphony

Type: XT25SC50-04, PRELIMINARY



## Electrical data

Nominal impedance	Zn	4 Ω
Minimum impedance/at freq.	Zmin	3.7/2500 Ω/Hz
Maximum impedance	Zo	23 Ω
Dc resistance	Re	3.0 Ω
Voice coil inductance	Le	7 uH

## TS Parameters

Resonance Frequency	fs	800 Hz
Mechanical Q factor	Qms	5.68
Electrical Q factor	Qes	0.87
Total Q factor	Qts	0.76

Force factor	Bl	- N/A
Mechanical resistance	Rms	- Kg/s
Moving mass	Mms	- g
Suspension compliance	Cms	- mm/N
Effective cone diameter	D	2.6 cm
Effective piston area	Sd	5.4 cm <sup>2</sup>
Equivalent volume	Vas	- ltrs
SPL 2.83V/1m at fmin		91.5 dB

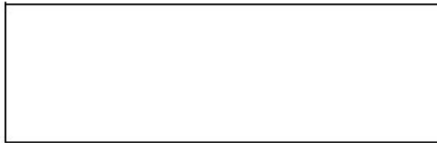
## Voice coil and magnet parameters

Voice coil diameter	26 mm
Voice coil length	2.2 mm
Voice coil layers	2
Height of the gap	2 mm
Linear excursion +/-	0.1 mm
Max mech. excursion +/-	- mm
Total useful flux	- mWb
Diameter of magnet	25 mm
Height of magnet	3.4 mm
Weight of magnet	12 g

## Factors

Ratio fs/Qts	1,053
Ratio BL/√Re	-

## Special remarks



## Power handling

- 100 h RMS noise test (IEC) - W
- Longterm Max System Power (IEC) - W
- IEC 268-5 noise signal is used for the powertest.

## Remarks on powertest

