

100 DT 26 72 SF FF WA 8Ω

811827

Ferrofluid version of the WA tweeter. It has got the same qualities as the 811815 such as controlled directivity and very low difference tone distortion (under 0.3 pct). The magnetic oil in the airgap adds viscous damping to the system and increases the power handling. A high quality tweeter for the most demanding systems.

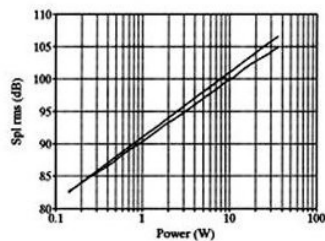
DT 100

Thiele Small parameters:

Nominal impedance	Zn (Ω)	8
Minimum impedance/at freq.	Zmin (Ω/Hz)	6.0 / 3700
Maximum impedance	Zo (Ω)	13.7
Dc resistance	Re (Ω)	5.2
Voice coil inductance	Le (mH)	0.1
Resonance Frequency	fs (Hz)	1170
Mechanical Q factor	Qms	1.63
Electrical Q factor	Qes	1.00
Total Q factor	Qts	0.62
Mechanical resistance	Rms (Kg/s)	1.64
Moving mass	Mms (g)	0.36
Suspension compliance	Cms (mm/N)	0.05
Effective cone diameter	D (cm)	2.8
Effective piston area	Sd (cm ²)	6.2
Force factor	Bl (N/A)	3.7
Reference voltage sensitivity	(dB)	92
Re 2.83V 1m at 3700 Hz (Measured)		

Magnet and voice coil parameters:

Voice coil diameter	d (mm)	26
Voice coil length	h (mm)	1.8
Voice coil layers	n	2
Flux density in gap	B (T)	1.5
Total useful flux	(mWb)	0.3
Height of the gap	hg (mm)	2.5
Diameter of magnet	dm (mm)	72
Height of magnet	hm (mm)	15
Weight of magnet	(kg)	0.24

Max linear SPL:**Power handling**

Longterm Max System Power (IEC) (W) 130

