

94 DT 26 72 SF FF 4Ω

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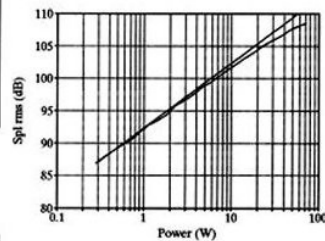
Dome tweeter with square front and ferrofluid for car use. Except for ferrofluid it is identical to the 811547. The ferrofluid adds viscous damping and cooling to the voice coil. The result is a quality tweeter with high power handling.

**Thiele Small parameters:**

Nominal impedance	$Z_n$ ( $\Omega$ )	4
Minimum impedance/at freq.	$Z_{min}$ ( $\Omega$ /Hz)	4.1 / 3900
Maximum impedance	$Z_o$ ( $\Omega$ )	8.7
Dc resistance	$R_e$ ( $\Omega$ )	3.7
Voice coil inductance	$L_e$ (mH)	0.1
Resonance Frequency	$f_s$ (Hz)	1200
Mechanical Q factor	$Q_{ms}$	2.10
Electrical Q factor	$Q_{es}$	1.56
Total Q factor	$Q_{ts}$	0.89
Mechanical resistance	$R_{ms}$ (Kg/s)	1.06
Moving mass	$M_{ms}$ (g)	0.30
Suspension compliance	$C_{ms}$ (mm/N)	0.06
Effective cone diameter	$D$ (cm)	2.8
Effective piston area	$S_d$ (cm <sup>2</sup> )	6.2
Force factor	$Bl$ (N/A)	2.3
Reference voltage sensitivity		(dB)
Re 2.83V 1m at 3900 Hz (Measured)		94

**Magnet and voice coil parameters:**

Voice coil diameter	$d$ (mm)	26
Voice coil length	$h$ (mm)	1.3
Voice coil layers	$n$	2
Flux density in gap	$B$ (T)	1.5
Total useful flux	(mWb)	0.3
Height of the gap	$h_g$ (mm)	2.5
Diameter of magnet	$d_m$ (mm)	72
Height of magnet	$h_m$ (mm)	15
Weight of magnet	(kg)	0.24

**Max linear SPL:****Power handling**

Longterm Max System Power (IEC) (W) 120

