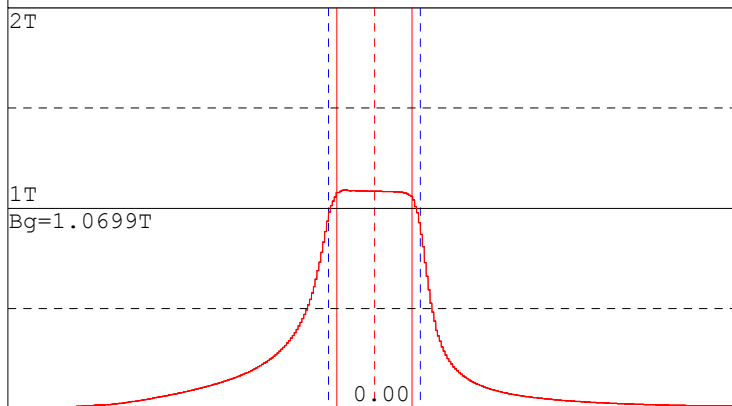
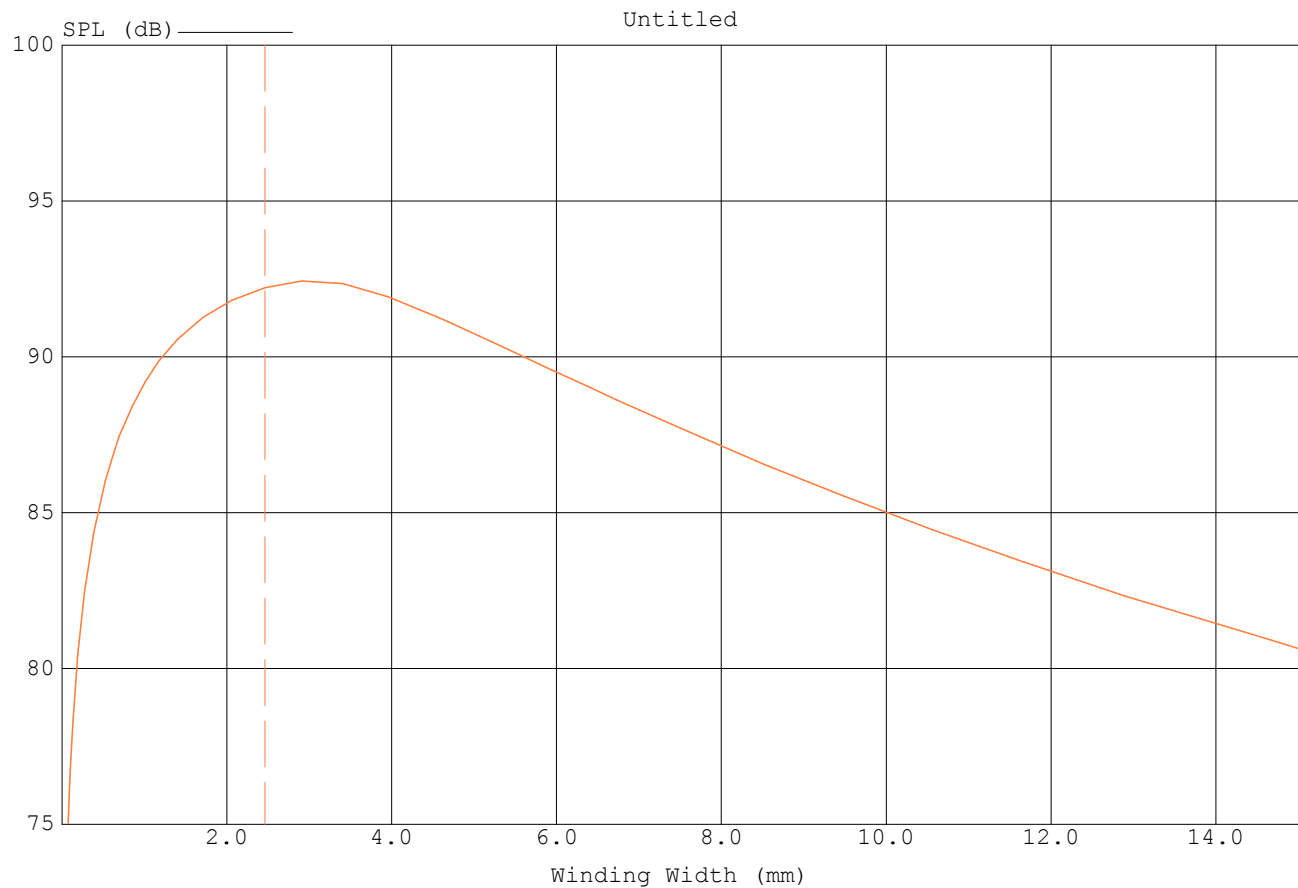




ACOUSTIC COMPONENTS			
Diaphragm area	Sd	11.80	sq.cm
Diaphragm diameter	D	3.88	cm
Fixed mass		0.38	g
Estimated Qms		5.25	
Specified Fs	Fs	475.00	Hz

VOICE COIL			
Wire Type		Round	
Wire Material		Aluminium	
Coil resistance	Re	3.00	Ohms
Voice Coil ID	VCID	33.50	mm
Layers	n	2	
Former thickness		0.020	mm
Wire stretch		0.00	%

MAGNET PARTS			
Outside			
Ferrite FXD300 magnet: 72.0 x 38.0 x 9.40			
Estimated Leakage	F1	2.25	
Recommended Reluctance	M1	1.30	
Top plate thickness		3.00	mm
Specified top plate ID			
Top plate ID	DT	34.40	mm
Pole OD	DP	33.00	mm
Min bottom plate thick.		3.3	mm
Min bottom plate OD		66.0	mm

INPUT AND DISTANCE			
VIn (rms)	Vin	2.83	V
Power In (nom)	Pin	1.00	W
Input Impedance (nom)	Zin	8.00	Ohms
Distance		1.00	m

CALCULATED WINDING			
Layers	n	2	
Wind Width	WW	2.46	mm
Number of Windings	N	24.26	
Nom.(bare) Wire diam	BWD	0.170	mm
Total Winding OD	WOD	34.35	mm
Total Winding Mass	Mvc	0.19	g
Stretch		0.00	%

CALCULATED TS PARAMETERS			
Sens. (2.83V/1.00m)	SPL	92.22	dB
VC Resistance DCR	Re	3.00	Ohms
Resonance	Fs	475.00	Hz
Mechanical	Qms	5.25	
Electrical	Qes	0.65	
Total	Qts	0.58	
Equivalent air vol.	Vas	0.04	l
Compliance	Cms	0.20	mm/N
Moving Mass(incl. air)	Mms	0.57	g
Force Factor	Bl	2.80	Tm
Eff. diaphragm area	Sd	11.80	sq.cm
Lin. Excursion +/-	Xmlin	0.27	mm

FINE Motor 25 May 2017