

Woofer parameters

Fs	31.0	Hz
Qts	0.28	
Qes	0.32	0.38
Vas	42.7	Liters
Re	5.6	Ohms
Dia	13.82	cm
Xmax	6	mm
Pe_max	70	Watts
Le	0	Henrys
P_input	50	Watts@8ohms
V_in_peak	28.28	Volts

Box Parameters

Ql	15.0	
Qb	15.0	
Qp	30.0	
Vb	23	
Fb	40	
# ports	1	
Vent Diameter	7	cm
Vent Length	26.31	cm
Sp	0.003848	m^2
	38.48	
alpha	1.857	
h	1.290	
Qcomb	6.000	

1/Ql	0.0667	
1/Qb	0.0667	
1/Qp	0.0333	
1/QbQl	0.0044	
1/QlQp	0.0022	
1/QbQp	0.0022	
1/QlQbQp	0.0001	
B5	1.0044	1.0044
B4	3.964	0.82
B3	5.316	4.64
B2	6.363	1.15
B1	1.669	1.67

Woofer Calculated parameters

Sd	0.01500	m^2
Cms	0.001351	m/N
Mdt	0.0195	kg
Bl	8.15	T*m
no	89.39	dB/2.83V
no	87.84	dB/1W
Qms	1.956	
P_dissipation	71.4	Watts
Cone Sag	0.26	mm
	21.95	

*If sealed

lossless fc	52.4
losslessQt	0.46
Damped Qt	0.82
fs/Qes	96.88
Vent Diameter	2.76 in
Vent Length	10.36 in

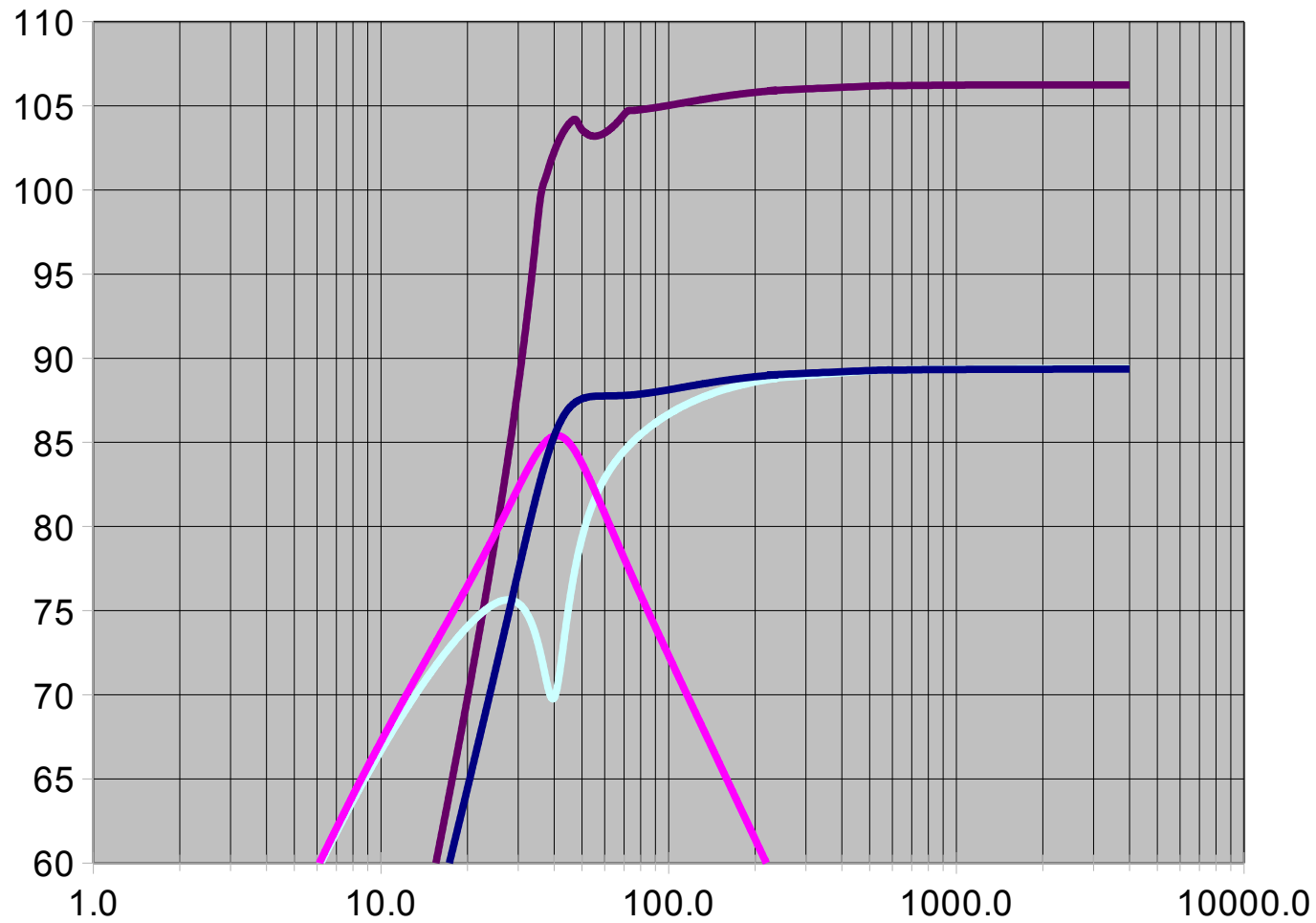
Box Dimensions

Cube	28.44 cm
	11.196 in

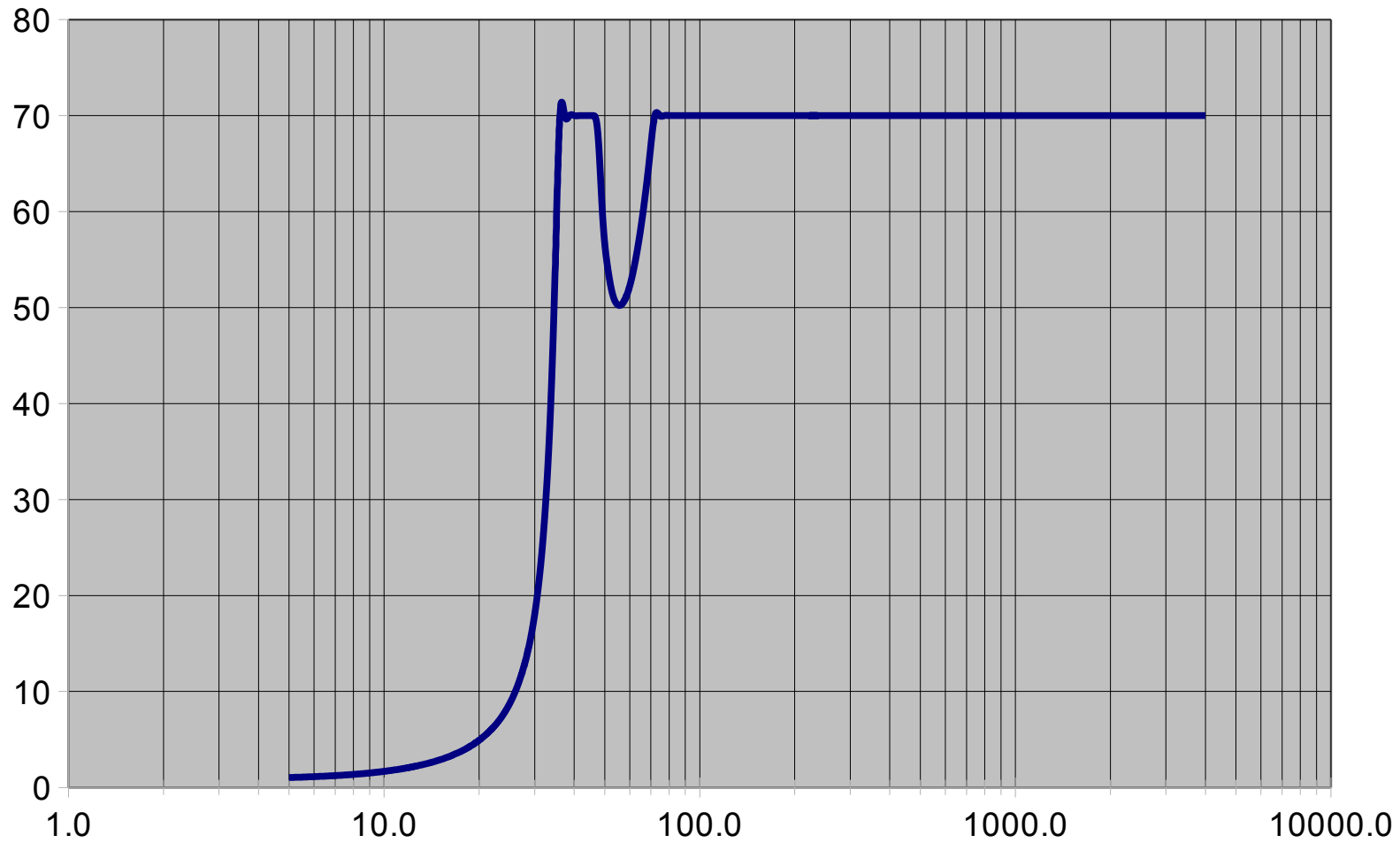
Splmax	109.36
upmax	17
Spmin	103.68

-4.7

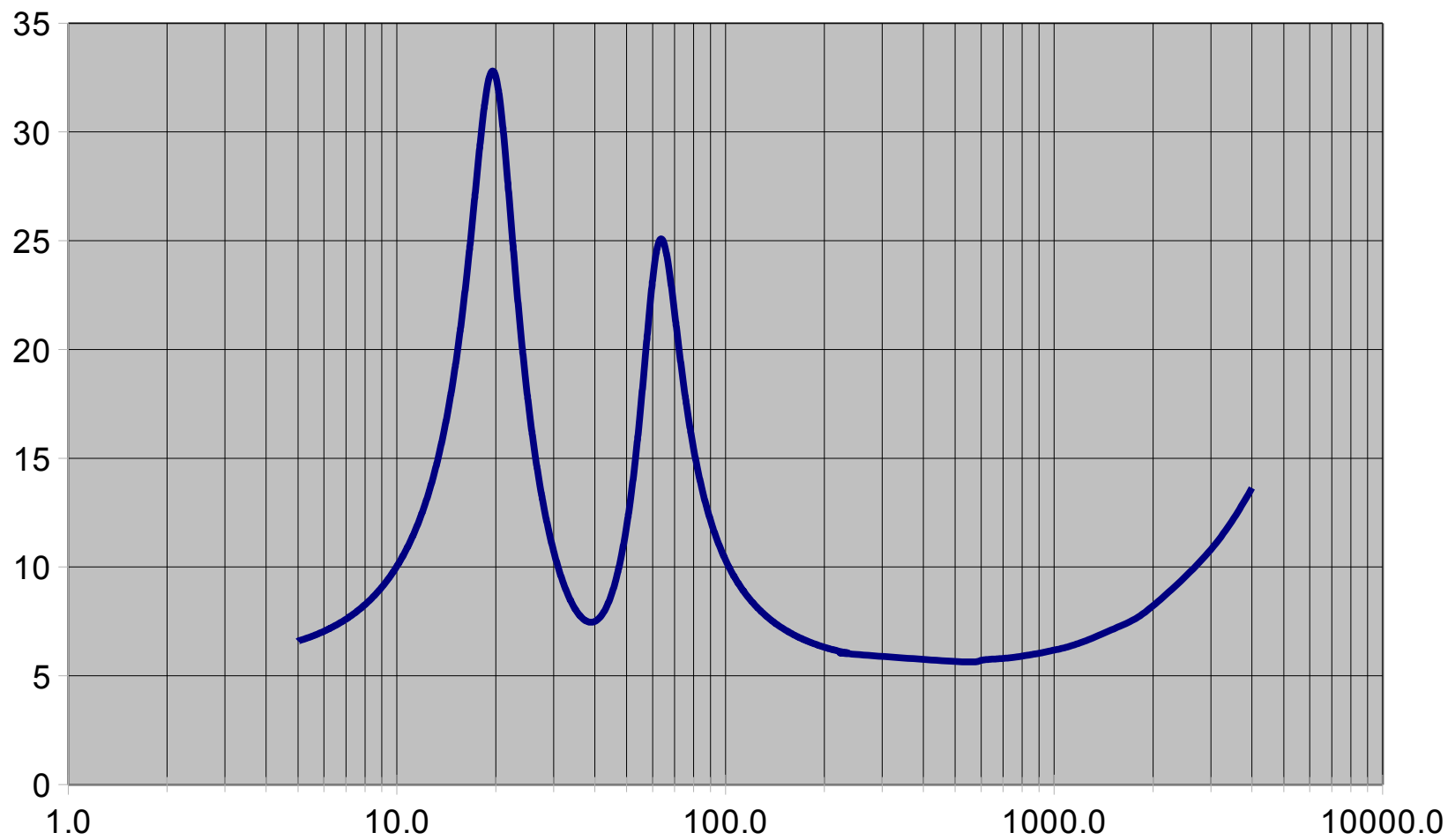
SPL Max and 2.83V [dB]



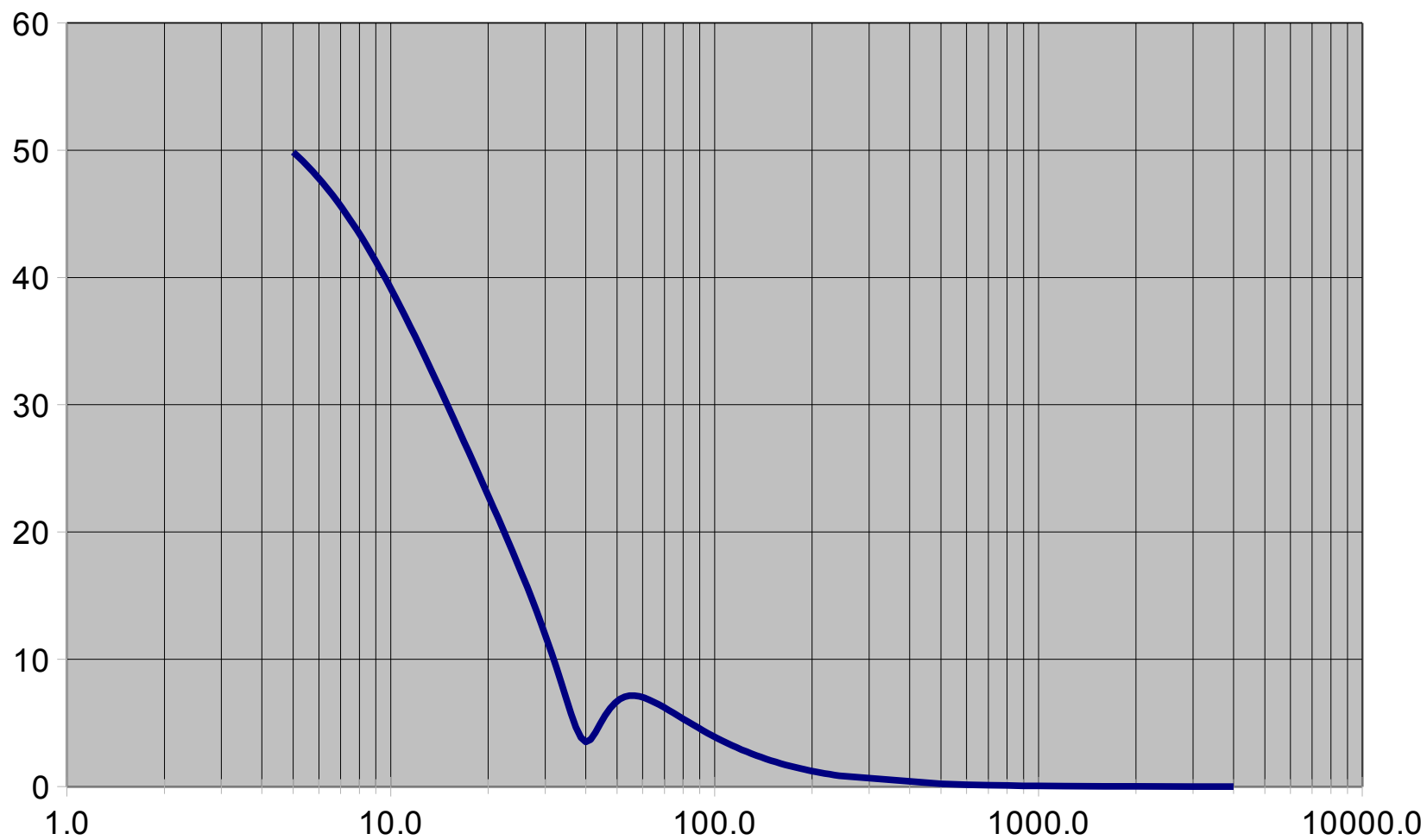
Excursion Limited Power [Watts]



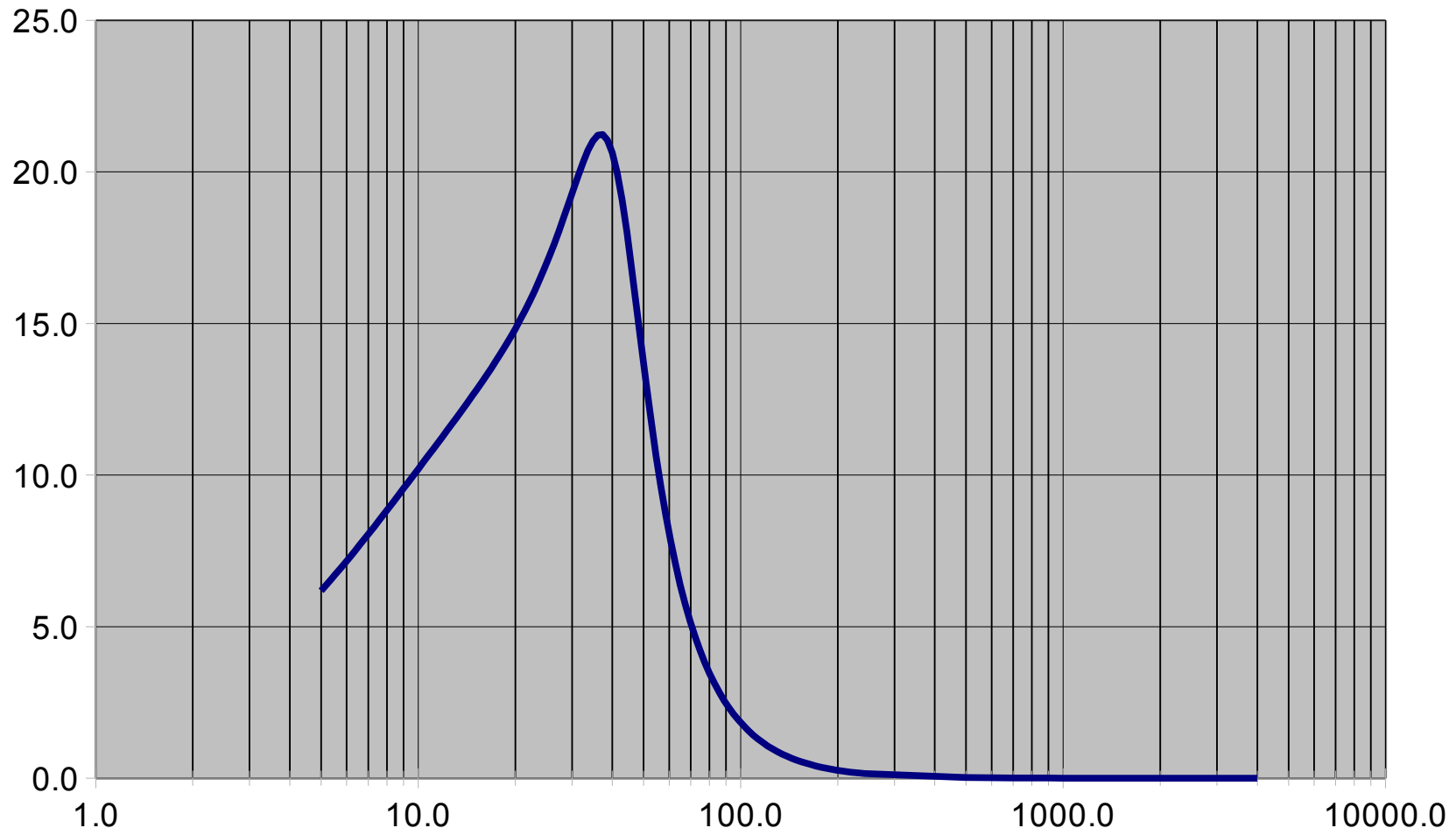
Impedance [Ohms]



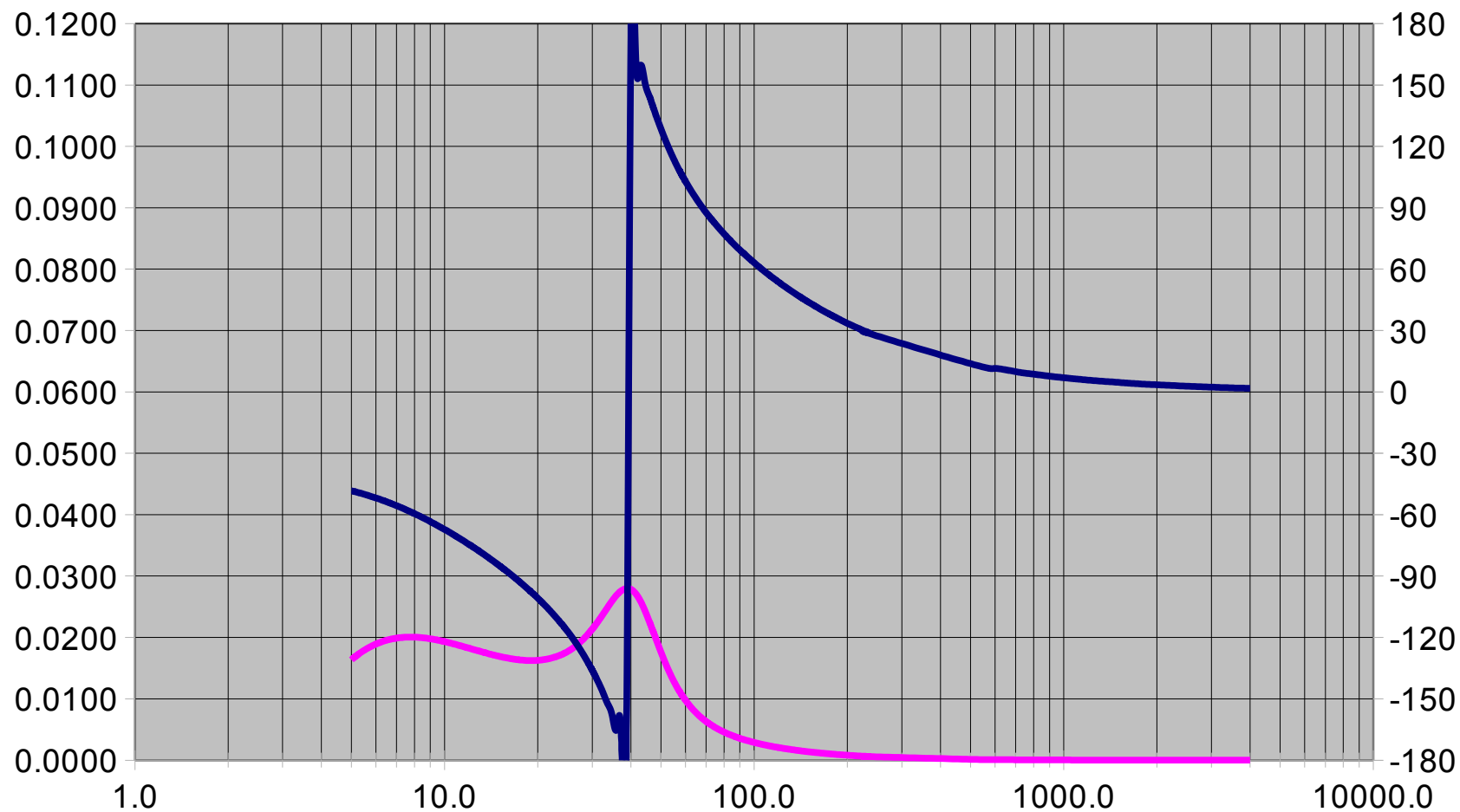
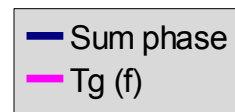
Excursion [mm]



Port Velocity [m/s]



Group Delay [s], Phase [degrees]



Dual Voice Coil Parameter guide

Coils Parallel

Fs	31.0 Hz
Qts	0.275
Qes	0.320
Vas	42.7 liters
Re	5.60 Ohms
Dia	13.8 cm
Xmax	6.0 mm
Pe_max	70.0 Watts
Le	0.00050 Henrys

Qms	1.96
Sd	0.0150 m^2
Mmd	0.0195 kg
Cms	0 m/N
Bl	8.15 Tesla*m
Rms	1.94 kg/s
no	89.39 dB/2.83V
no	87.84 dB/1W

Coils Series

Fs	31.0 Hz
Qts	0.275
Qes	0.320
Vas	42.7 liters
Re	22.4 Ohms
Dia	13.82 cm
Xmax	6.0 mm
Pe_max	70 Watts
Le	0 Henrys

Qms	1.96
Sd	0.0150 m^2
Mmd	0.0195 kg
Cms	0 m/N
Bl	16.31 Tesla*m
Rms	1.94 kg/s
no	83.37 dB/2.83V
no	87.84 dB/1W

Single Coil (other open)

Fs	31.0 Hz
Qts	0.482
Qes	0.640
Vas	42.7 liters
Re	11.2 Ohms
Dia	13.82 cm
Xmax	6.0 mm
Pe_max	35 Watts
Le	0 Henrys

Qms	1.96
Sd	0.0150 m^2
Mmd	0.0195 kg
Cms	0.001351 m/N
Bl	8.15 Tesla*m
Rms	1.94 kg/s
no	83.37 dB/2.83V
no	84.83 dB/1W

Rs= 0
Resistive Damped

Fs	31.0 Hz
Qts	0.275
Qes	0.640
Vas	42.7 liters
Re	11.2 Ohms
Dia	13.8 cm
Xmax	6.0 mm
Pe_max	35 Watts
Le	0.00050 Henrys

Qms	0.48
Sd	0.0150 m^2
Mmd	0.0195 kg
Cms	0.001351 m/N
Bl	8.15 Tesla*m
Rms	7.88 kg/s
no	83.37 dB/2.83V
no	84.83 dB/1W