

Woofer parameters

Fs	29.0 Hz	
Qts	0.35	
Qes	0.40	0.38
Vas	129 Liters	
Re	6.3 Ohms	
Dia	21.1 cm	
Xmax	7 mm	
Pe_max	50 Watts	
Le	0 Henrys	
P_input	50 Watts@8ohms	
V_in_peak	28.28 Volts	

Box Parameters

Ql	15.0	
Qb	30.0	
Qp	30.0	
Vb	80.5	
Fb	24.3	
# ports	1	
Vent Diameter	10.16 cm	
Vent Length	43.83 cm	
Sp	0.008107 m^2	
	81.07	
alpha	1.602	
h	0.838	
Qcomb	7.500	

1/Ql	0.0667	
1/Qb	0.0333	
1/Qp	0.0333	
1/QbQl	0.0022	
1/QlQp	0.0022	
1/QbQp	0.0011	
1/QlQbQp	0.0001	
B5	1.0022	1.0022
B4	3.039	0.53
B3	3.630	3.35
B2	2.167	0.41
B1	0.704	0.7

Woofer Calculated parameters

Sd	0.03497 m^2
Cms	0.000751 m/N
Mdt	0.0401 kg
Bl	10.73 T*m
no	91.84 dB/2.83V
no	90.80 dB/1W
Qms	2.800
P_dissipation	63.5 Watts
Cone Sag	0.30 mm

21.95

*If sealed

lossless fc	46.8
losslessQt	0.56
Damped Qt	0.71
fs/Qes	72.50
Vent Diameter	4.00 in
Vent Length	17.26 in

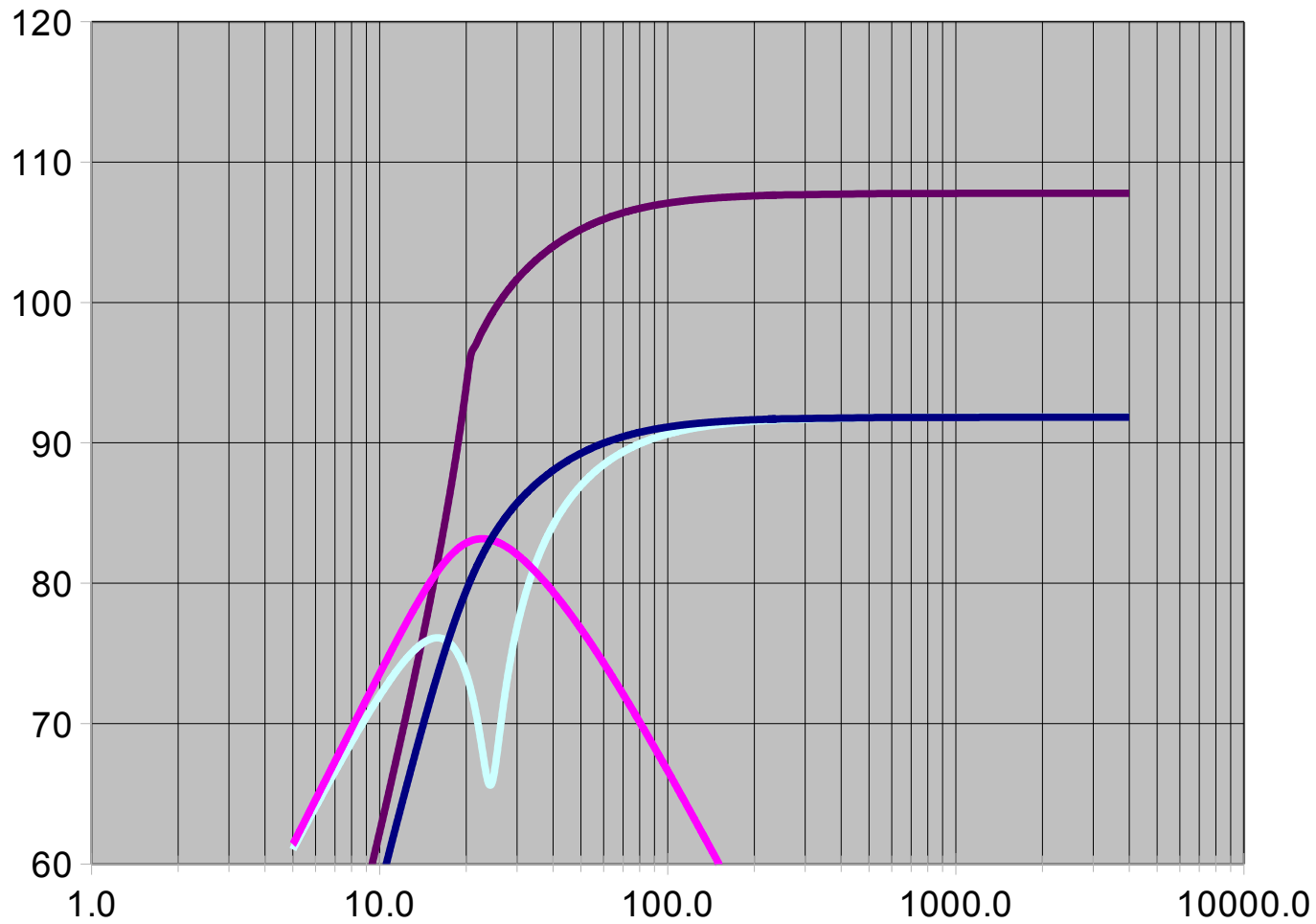
Box Dimensions

Cube	43.18 cm
	16.999 in

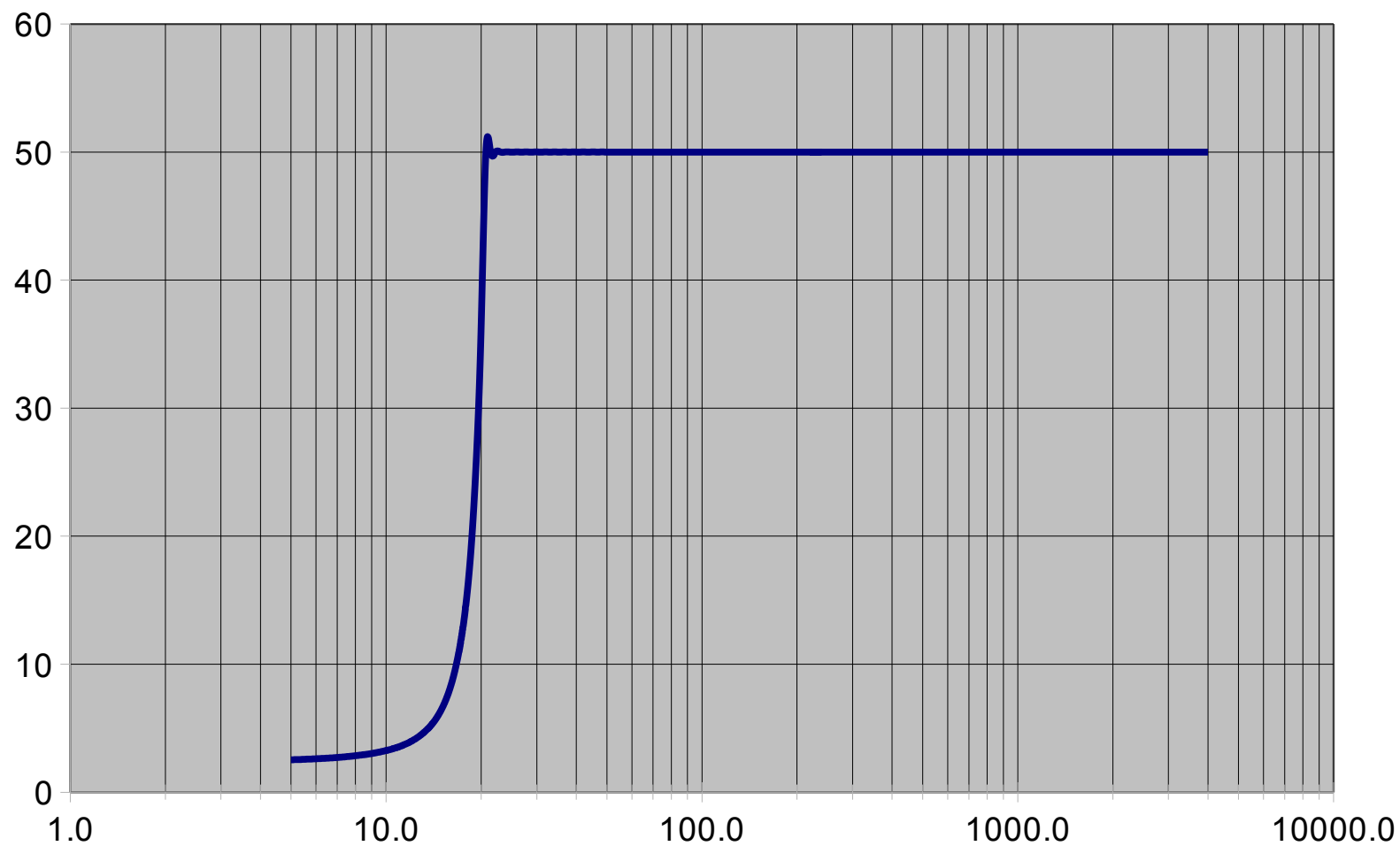
Splmax	109.36
upmax	17
Spmin	170.67

-4.7

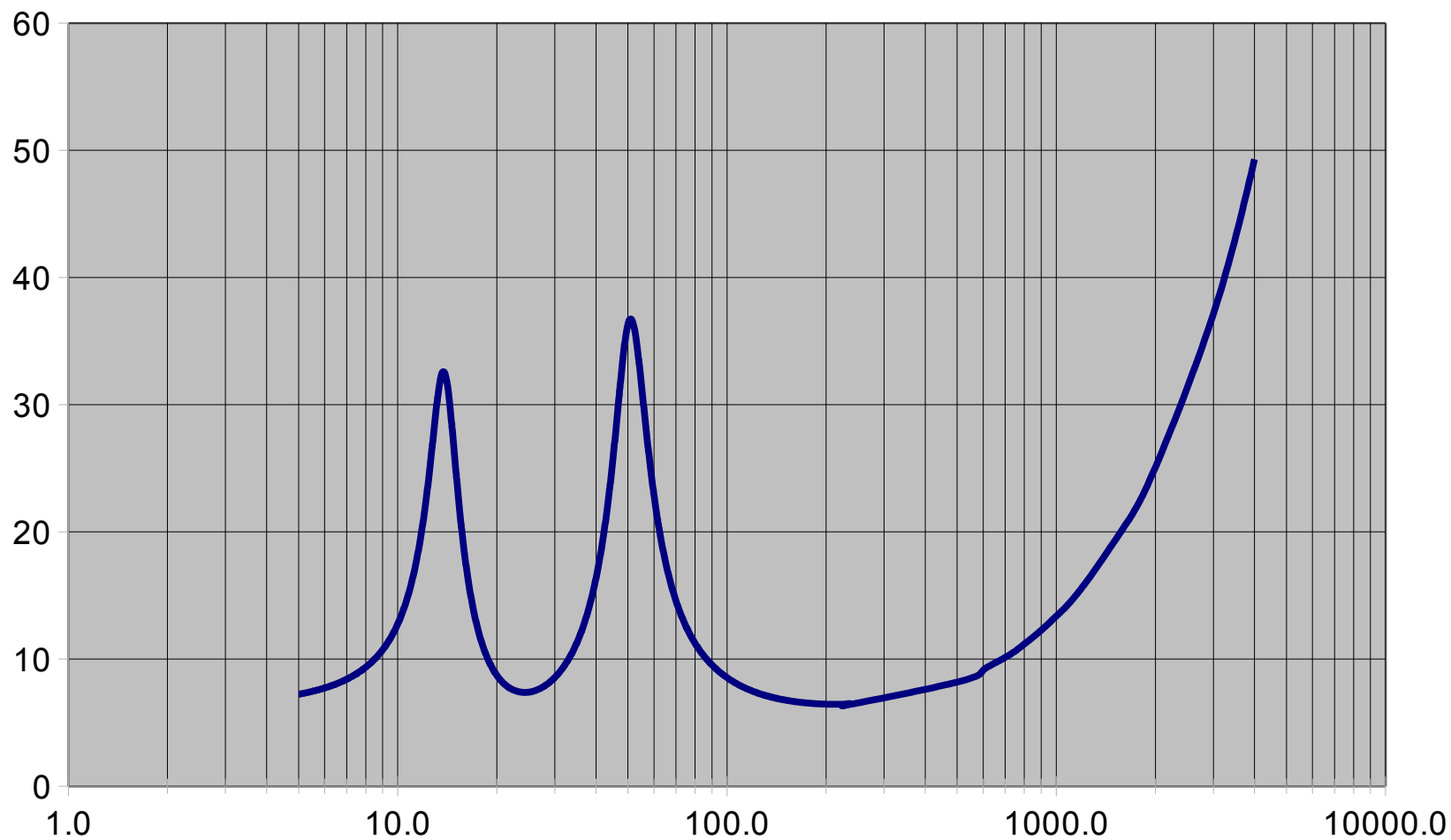
SPL Max and 2.83V [dB]



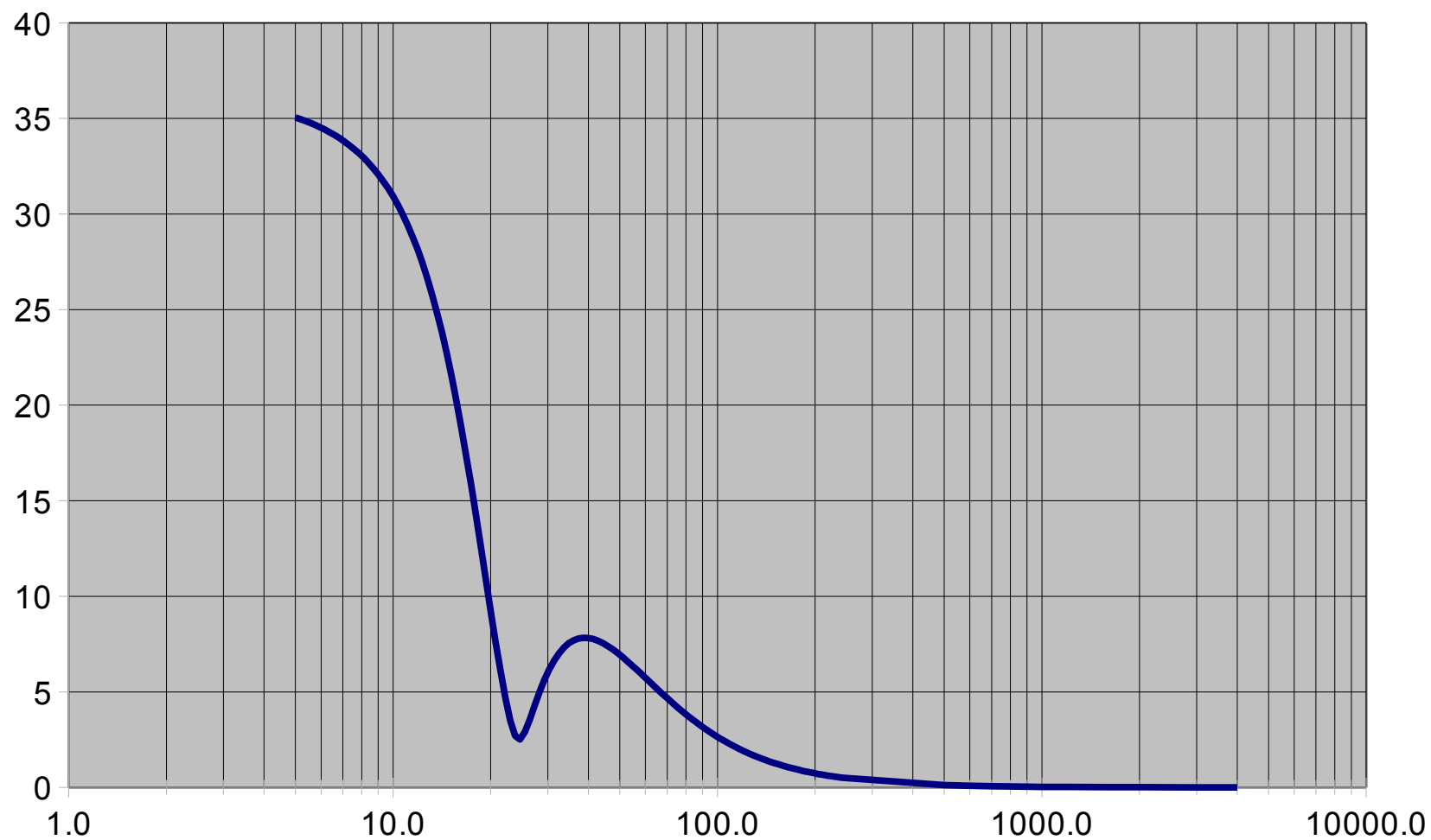
Excursion Limited Power [Watts]



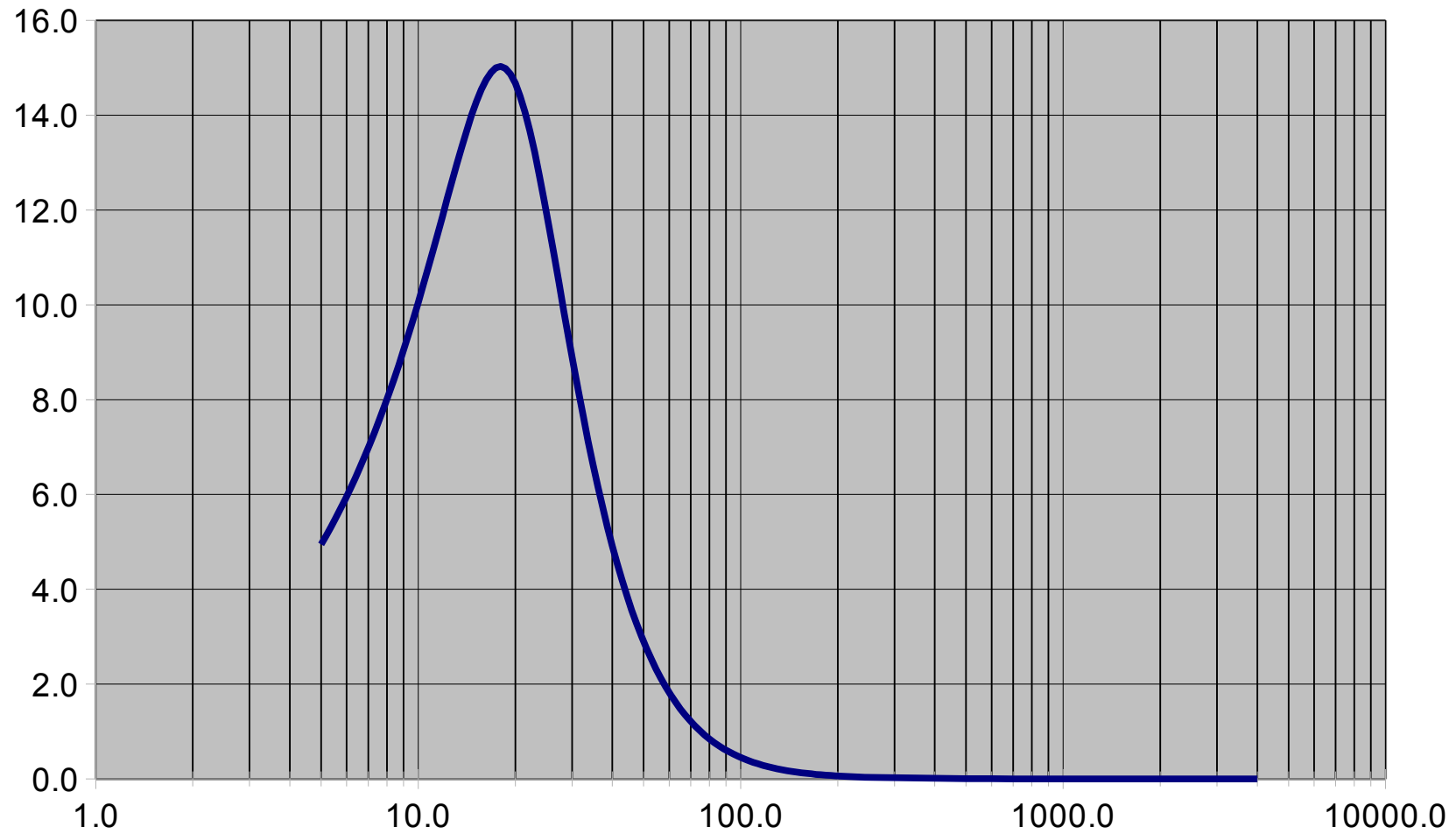
Impedance [Ohms]



Excursion [mm]



Port Velocity [m/s]



Group Delay [s], Phase [degrees]

