P	R/Ω	V_R/V	I/mA	Z/mΩ	L/mH	θ/°
P_1	250	726m	2.90	0.690	1.02	68.72
R_2	400	1.04	2.60	0.770	1.05	58.67
P_3	630	1.39	2.20	0.910	1.05	45.97
P_4	1000	1.67	1.67	1.20	1.06	33.38
P_5	1600	1.83	1.14	1.75	1.13	23.79
P_6	2500	1.93	0.772	2.59	1.08	15.20
P_7	4000	1.99	0.500	4.02	0.637	5.7

$$I = \frac{V_R}{R} \qquad L = \sqrt{\frac{Z^2 - R^2}{(2\pi f)^2}}$$

$$Z = \frac{V}{I} \qquad \cos^{-1}\frac{V_R}{V} = x$$

x = degree