

COMMUNICATIONS DATA SHEET NO. 202

RESONANT EQUALISER CONSTANTS

Component values for a resonant frequency of 1 Hz.

	$159\sqrt{\frac{L}{C}}$	$159/\sqrt{\frac{L}{C}}$	$57.3/\sqrt{\frac{L}{C}}$	$442\sqrt{\frac{L}{C}}$
L/C	L	C	L <sup>1</sup>	C <sup>1</sup>
16	636 H	39.75 $\mu$ F	14.325H	1768 $\mu$ F
8	449.8H	56.38 $\mu$ F	20.26H	1250 $\mu$ F
4	318 H	79.5 $\mu$ F	28.65H	884 $\mu$ F
2	224.9H	112.4 $\mu$ F	40.52H	625 $\mu$ F
1	159 H	159 $\mu$ F	57.3H	442 $\mu$ F
0.5	112.4H	224.9 $\mu$ F	81.04H	312.5 $\mu$ F
0.25	79.5H	318.0 $\mu$ F	114.7H	221 $\mu$ F
0.128	56.89H	444.4 $\mu$ F	160.2H	158.1 $\mu$ F
0.064	40.23H	628.5 $\mu$ F	226.6H	111.8 $\mu$ F
0.032	28.44H	888.8 $\mu$ F	320.3H	79.07 $\mu$ F
0.016	20.11H	1257 $\mu$ F	453 H	55.91 $\mu$ F
0.008	14.22H	1777 $\mu$ F	640.6H	39.54 $\mu$ F
0.004	10.07H	2511 $\mu$ F	904.8H	27.99 $\mu$ F
0.002	7.111H	3555 $\mu$ F	1281H	19.76 $\mu$ F
0.001	5.028H	5028 $\mu$ F	1812H	13.97 $\mu$ F

The component values for a resonant frequency 'f' may be obtained by dividing the above values by f.