

RC Circuit Function

Frequency	VIN	Vout
10	1	0.980
20	1	0.980
30	1	0.980
40	1	0.970
50	1	0.960
60	1	0.960
70	1	0.960
80	1	0.960
90	1	0.960
100	1	0.940
200	1	0.840
300	1	0.720
400	1	0.608
500	1	0.560
600	1	0.456
700	1	0.440
800	1	0.360
900	1	0.360
1,000	1	0.340
2,000	1	0.164
3,000	1	0.120
4,000	1	0.082
5,000	1	0.076
6,000	1	0.056
7,000	1	0.048
8,000	1	0.042
9,000	1	0.037
10,000	1	0.033
20,000	1	0.0175
30,000	1	0.0124
40,000	1	0.010
50,000	1	0.008
60,000	1	0.0075
70,000	1	0.0068
80,000	1	0.0065
90,000	1	0.0056
100,000	1	0.0055

Observations: Circuit built with, 998.6 Ω Resistor .516μF Capacitor

Equipment Used

- 1-VOOM/DMM GwINSTEK GDM-9245 (Serial # CL860334) Cal Date 11/14/12
- 1-TDS220 Dual Channel Oscilloscope with two scope probes Equipment # A-149378 Cal Date 11/14/12
- 1-GFG-8210 Function Generator with test lead Serial #C705245 Cal Date 12/5/12

