Overallgain	6 ± 0.6			
Input impedance	$>40\pm4k\Omega$			
Outputimpedance	$< 1.3 \pm 0.13k\Omega$			
Supply voltage	$0, V_{cc} = 10V$			
BJT	NPN, BC547, $\beta = 200$.			
Circuit	Vcc=10			
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			

Remember the output impedance of the first stage should at least be 10x less than the input impedance of the second stage to avoid loading between two stages.

Operation points

٧	Simulation	Measurement
Vc1	5.789	5.71
Vb1	1.755	1.766
Ve1	1.116	1.132
Vc2	10	9.99
Vb2	5.346	5.34
Ve2	4.709	4.72

Stage	Gain	Inputimpedance	Output impedance
1st	6.47	60.1k	3.84k
2nd	0.992	44.7k	152.3
Multi	5.92	60.0k	180.1