

	0	1	2	3	4	5	6	7	8	9		
A	<div><h3>Phase shift-amplifier</h3><p>Designed by Amit Barman</p><p>The circuit is a phase shift amplifier. It consists of a common-emitter amplifier stage using a BC107BP transistor. The base is biased by a voltage divider (R1, R2) connected to a 12V supply. The emitter is connected to ground through a resistor R4 and a bypass capacitor C4. The collector is connected to the 12V supply through a resistor R3. The output is taken from the collector and passes through a series of three RC networks (C1, R5; C2, R6; C3, R8) to produce a phase shift. The potentiometer R8 is set to 45%. The input signal is coupled to the base through capacitor C5. The output is measured by two oscilloscopes: XSC1 (A, B) and XSC2 (A, B, C, D).</p></div>											
B												
C												
D												
E												
F												
	0	1	2	3	4	5	6	7	8	9		