

Fig. 9. The loss compensation amplifier (LCA) composed of gain stage (common emitter and common base stage) and an output low-impedance driver for the following phase shifter.

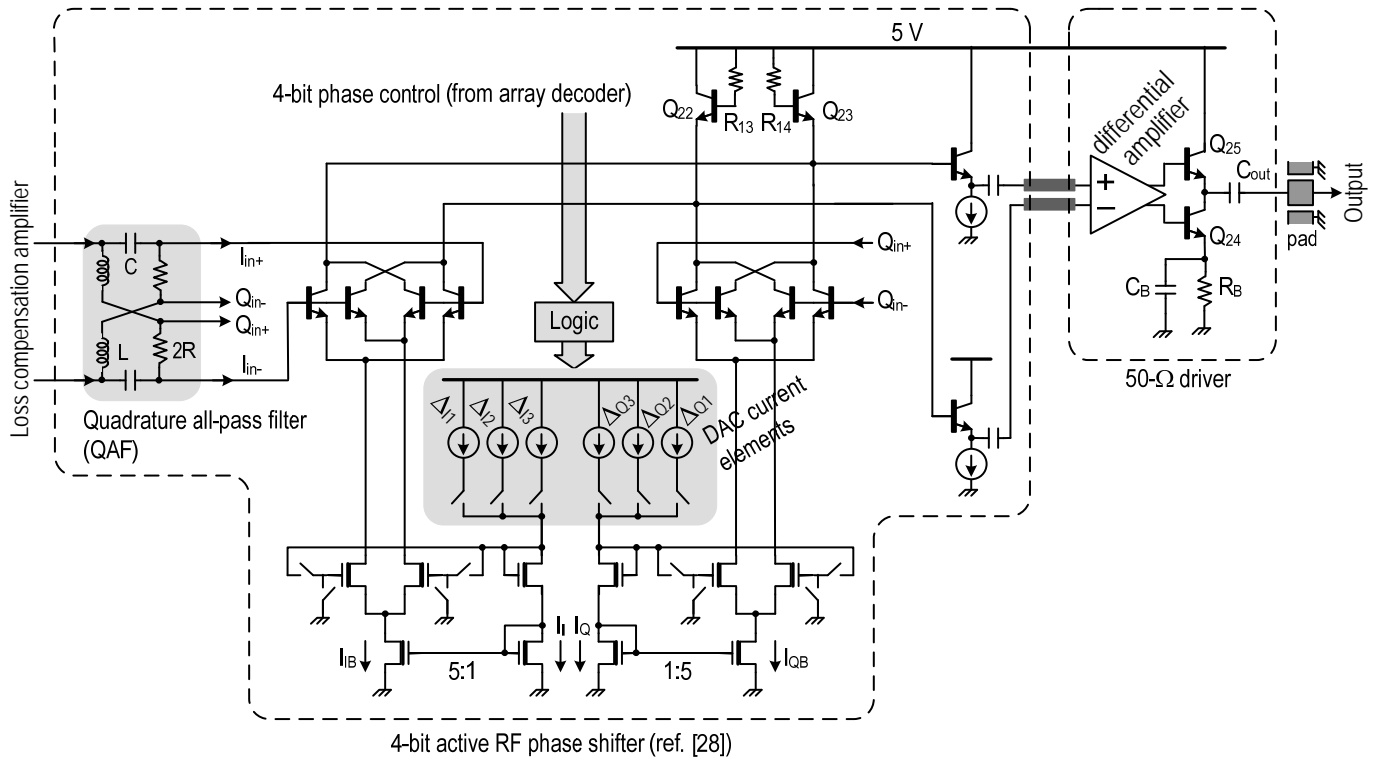


Fig. 10. The active 4-bit RF phase shifter and 50-Ω output driver.