Abstract: A CMOS IF band-pass filter for an integrated Bluetooth receiver is presented. The filter center frequency is 3 MHz and has bandwidth of 1 MHz. The filter is based on unity gain cells and utilizes linearized MOS resistors for tuning. The proposed filter occupying an area of 1.7 mm x 1.7 mm was submitted for fabrication using a regular 1.2-um CMOS process. Simulation results obtained from the layout circuit file show that the proposed filter satisfies the selectivity and dynamic range requirements of Bluetooth.