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ABSTRACT OF THE DISCLOSURE

An active bandpass filter offers freely settable values of quality factor Q and peak gain. The active bandpass filter has a first, a second and a third transistor. The first transistor has a base connected to an input terminal of the filter via a first resistance element, a collector connected both to a constant voltage source via a second resistance element and to an output terminal of the filter and an emitter connected to a first constant current source. The second transistor has a base connected to the emitter of the first transistor via a third resistance element, a collector connected to the constant voltage source via a fourth resistance element and an emitter connected both to the base of the first transistor via a first capacitance element and to a second constant current source. The third transistor has a base connected to the collector of the second transistor, a collector connected to the constant voltage source and an emitter connected both to the base of the second transistor via a second capacitance element and to a third constant current source. Resistors can be used instead of the constant current sources.