

ABSTRACT OF THE DISCLOSURE

SUBSTRATE-MOUNTED COMMON MODE CHOKE COIL
AND METHOD OF MANUFACTURE THEREOF

A common mode choke coil has first and second spiral conductive layer elements electrically insulated from each other at a base. The base is made of a magnetic material or a dielectric material. at least one of the first and the second spiral conductive layer elements is formed in close contact with a surface of the base. The common mode choke coil has two spiral conductor layer elements at a base. Therefore, the common mode choke coil may be easily and economically provided that has high Q-characteristics or high impedance at a common mode and little fluctuation of resonance frequencies and inductance.

Figure 1