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(57) Abstract

A dielectric filter according to the invention comprises a first dielectric layer containing at least a pair of strip-line resonators to be electro-magnetically coupled to each other and second and third dielectric layers disposed in an opposed relation to each other with the first dielectric layer sandwiched therebetween and having substantially the same dielectric constant (K1), each of the second and third dielectric layers containing at least one shield electrode. The dielectric filter further comprises fourth and fifth dielectric layers which have substantially the same dielectric constant (K2) and are interposed between the first and second dielectric layers and between the first and third dielectric layers, respectively. The dielectric constant (K2) of the fourth and fifth dielectric layers is selected to be less than any one of the dielectric constant (K1) of the second and third dielectric layers and the dielectric constant (K3) of the first dielectric layer.

