Multilayer band pass filter comes in 1005 size



TDK Corporation has developed a

multilayer band pass filter in size 1005 with dimensions of 1.0 mm x 0.5 mm x 0.37 mm. The insertion height of the new DEA102450BT-1278A1 band pass filter has been reduced by more than a third and its volume by 75 percent. The filters are designed for the 2.4 GHz band, and are thus suitable for Bluetooth and wireless LAN implementation in smart phones, regular cell phones, and other mobile devices. They feature an insertion loss of 2.5 dB and a high attenuation of at least 25 dB (at 4.8 GHz to 5.0 GHz). The company used its advanced thin-layer and micro-wiring technology to develop the new band pass filter with both miniature dimensions and desirable performance characteristics. Owing to the use of a low-loss conductive material for the resonator the DEA102450BT-1278A1 also features high Q values. The new product is rated for an operating temperature range of -40°C to +85°C.

TDK Corporation

800-888-7729, www.global.tdk.com [1]

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[1] http://www.global.tdk.com