



Newly Advances in Microwave Dielectric Ceramics

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Microwave dielectric ceramics refer to ceramic materials which are used as dielectric materials in microwave frequency circuits and perform one or more functions. Microwave dielectric ceramic as a new type of electronic materials is used in modern communication as a resonator, filter, medium substrate, dielectric antenna, dielectric guided wave circuit, etc., as well as in many fields of microwave technology, such as mobile phones, car phone, cordless telephone, television, satellite receivers, satellite radio, radar, wireless remote control, etc. With the development of low-temperature co-firing ceramic technology, the application prospect of microwave dielectric ceramics will be better. Microwave dielectric ceramics can be classified according to the composition, structure, dielectric properties, and application frequency domain. For example, according to the application of the frequency domain, microwave dielectric materials can be roughly divided into three categories: low frequency, medium frequency, and high frequency.

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