

Abstracts

Precise Measurement Method for Temperature Coefficient of Microwave Dielectric Resonator Material

T. Nishikawa, K. Wakino, H. Tamura, H. Tanaka and Y. Ishikawa. "Precise Measurement Method for Temperature Coefficient of Microwave Dielectric Resonator Material." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. 1 [MWSYM]): 277-280.

A precise measurement method for the temperature coefficient of dielectric resonator material was developed. The error of measurement was decreased from 0.5 ppm/°C to 0.05 ppm/°C compared with the conventional method. This measurement method made techniques for improving stability possible, such as for filters, multiplexer and oscillators.

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