

Abstracts

Temperature Stable Microwave Dielectric Resonators Utilizing Ferroelectrics

J.K. Plourde. "Temperature Stable Microwave Dielectric Resonators Utilizing Ferroelectrics." 1973 G-MTT International Microwave Symposium Digest of Technical Papers 73.1 (1973 [MWSYM]): 202-204.

Temperature stable dielectric resonators suitable for high quality microwave filter applications have been obtained with composite structures utilizing either $\text{LiTaO}_3/\text{TiO}_2$ or $\text{LiNbO}_3/\text{TiO}_2$. These resonators yield $\epsilon \sim 50$ and $Q \sim 5000$ at 4 GHz.

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