Abstracts

Three Dimensional Finite Element Method Applied to Dielectric Resonator Devices

S. Verdeyme, P. Auxemery, M. Aubourg and P. Guillon. "Three Dimensional Finite Element Method Applied to Dielectric Resonator Devices." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 1151-1154.

Three dimensional finite element method (F.E.M.) is applied to evaluate electromagnetic and electrical parameters of the TE/sub 01delta/ cylindrical dielectric resonator (D.R.) mode housed into a parallelipipedic metallic enclosure. Numerical results concerning both frequencies, field vectors and coupling coefficients between adjacent D.R. are presented.

❑ Return to main document.