

Abstracts

Clock Recovery in the Gigabit Region Using Dielectric Resonators as an Alternative to Surface Acoustic Wave Filters

P. Baum. "Clock Recovery in the Gigabit Region Using Dielectric Resonators as an Alternative to Surface Acoustic Wave Filters." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. 1 [MWSYM]): 117-119.

The characteristics of coaxial dielectric resonators pertinent to clock recovery are evaluated and shown to compare favorably with surface acoustic wave filters. A practical circuit implementation of a dielectric resonator-based clock recovery system at 1.152 Gb/s demonstrates the potential of this technology for gigabit fiber optic transmission systems.

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