

Abstracts

Digital and Analog Frequency - Temperature Compensation of Dielectric Resonator Oscillators

J. Lee, J.E. Andrews, K.W. Lee and W.R. Day. "Digital and Analog Frequency - Temperature Compensation of Dielectric Resonator Oscillators." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 277-279.

The advent of the varactor tuned, dielectric resonator oscillator (DRO) has made possible both digital and analog frequency - temperature compensation. Seth techniques provide the DRO with a stability approximating that of a crystal referenced oscillator (i.e., better than ± 50 ppm over -55° to $+85^{\circ}$ C) without the higher power consumption and spurious output signals.

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