

## Temperature Compensated Permanent Magnet YIG Tuned Oscillators

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*Y. Ataiyan and D. Hejmanowski. "Temperature Compensated Permanent Magnet YIG Tuned Oscillators." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 965-968.*

Advantages, disadvantages and areas of concern regarding the use of a permanent magnet as a means of providing the magnetic bias field for the YIG tuned oscillators are discussed. Two different types of permanent magnet YIG tuned oscillators with the temperature variation of less than 15 PPM/°c are constructed. The measured characteristics of some of these devices are presented.

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