Abstracts

A Novel MSW Programmable Barker Coder/Decoder

S.H. Talisa, J.D. Adam and T.W. O'Keeffe. "A Novel MSW Programmable Barker Coder/Decoder." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 579-581.

A thirteen-bit Barker coder and correlator was designed and built which uses a novel technique for phase encoding the signal, based on small d.c. magnetic fields generated by current loops surrounding each one of thirteen delay lines. The experimental results presented correspond to a reduction of the number of bits to seven.

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