Abstracts

A Coplanar Waveguide 6-18 GHz Instantaneous Frequency Measurement Unit for Electronic Warfare Systems

C. Sinclair. "A Coplanar Waveguide 6-18 GHz Instantaneous Frequency Measurement Unit for Electronic Warfare Systems." 1994 MTT-S International Microwave Symposium Digest 94.3 (1994 Vol. III [MWSYM]): 1767-1770.

A multiple delay line IFM design based on a novel phase discriminator topology is for the first time implemented in CPW. The advantages of CPW over microstrip as a microwave transmission medium, primarily negligible dispersion, are clearly demonstrated. A number of CPW components not seen before in their present form are used in the design.

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