

Abstracts

A Wide Band Tracking Delay for Radio Astronomy

S. Soares and S.F. Padin. "A Wide Band Tracking Delay for Radio Astronomy." 1994 Transactions on Microwave Theory and Techniques 42.6 (Jun. 1994 [T-MTT]): 951-955.

Design details for a 0.5 to 4 GHz tracking delay for the Owens Valley Millimeter Array are presented. The delay uses a binary sequence of segments ranging from 512 ns to 1/128 ns to provide any delay value up to 1 μ s with a maximum error of 7 ps. The segments are realized in optical fiber, coaxial cable and microstrip transmission line.

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