

Abstracts

Low Loss Linear Phase Filters

S. Kallianteris. "Low Loss Linear Phase Filters." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 394-396.

A new filter structure in which low loss linear phase filters can be realized is described. These filters are longitudinal, employ TE₁₀₃ dual mode resonators. Experimental results of such a filter are presented, compared with results of equivalent fundamental mode Chebyshev, linear phase filters. These results demonstrate that such filters are suitable for multiplexer in satellite transponders operating above 10 GHz.

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