Abstracts

Dispersive Rayleigh Wave Delay Line Utilizing Gold on Lithium Niobate (Correspondence)

W.R. Smith, T.M. Reeder, J.H. Collins, H.J. Shaw and W.W. Hansen. "Dispersive Rayleigh Wave Delay Line Utilizing Gold on Lithium Niobate (Correspondence)." 1969 Transactions on Microwave Theory and Techniques 17.11 (Nov. 1969 [T-MTT] (Special Issue on Microwave Acoustics)): 1043-1044.

The dispersion characteristics have been obtained for a gold film overlay on lithium niobate into which Rayleigh waves around 100 MHz are injected. Phase and attenuation measurements are conducted continuously as the gold film is deposited under vacuum conditions. Linear increase of delay with frequency is observed for a gold thickness approximating 5000 /spl Aring/.

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