

Abstracts

Theory of an Efficient Electronic Phase Shifter Employing a Multilayer Dielectric-Waveguide Structure (Correction)

A.B. Buckman. "Theory of an Efficient Electronic Phase Shifter Employing a Multilayer Dielectric-Waveguide Structure (Correction)." 1978 Transactions on Microwave Theory and Techniques 26.2 (Feb. 1978 [T-MTT]): 127-127.

A factor of n_{sg} should appear in the numerator of the right side of (11). This error affects the design of the structure in Fig. 3, as follows: To obtain values of $\Delta\phi/\Delta\alpha$ of the order 50-80°/cm, it is necessary that d_{sg}/λ_0 be raised to 0.4375, and an additional layer of refractive index 3.4 and thickness $0.4375\lambda_0$ be placed between the active layer and the superstrata. Other indices and thicknesses remain unchanged.

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