

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 $n_{sub g}$ 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 $\Delta\phi/\Delta\lambda_0$ of the order $50-80^\circ/\text{cm}$, it is necessary that $d_{sub g}/\lambda_0$ be raised to 0.4375, and an additional layer of refractive index 3.4 and thickness 0.4375 λ_0 be placed between the active layer and the superstrate. Other indices and thicknesses remain unchanged.

[Return to main document.](#)