

L-band glass-epoxy 5-bit phase shifter module using SW-bank chips and low cost L, C chips

K. Nakajima, N. Suematsu, E. Taniguchi, H. Takeda, T. Shinbo, Y. Sasaki and T. Takagi. "L-band glass-epoxy 5-bit phase shifter module using SW-bank chips and low cost L, C chips." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1593-1596.

A low cost L-band 5-bit phase shifter module is described. This module is fabricated on a glass-epoxy substrate, and consists of GaAs SW-bank chips and high/low pass filters for phase shift circuits made up of chip inductors/capacitors. The fabricated module shows comparable features in size and RF performance to those of MMIC in a ceramic package.

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