Abstracts

An MMIC active phase shifter using a variable resonant circuit

K. Hayashi and M. Muraguchi. "An MMIC active phase shifter using a variable resonant circuit." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1573-1576.

An MMIC active phase shifter using a variable resonant circuit is described. Phase can be changed with a constant amplitude by varying the resonant circuit's reactance. More than 100/spl deg/ phase shift and -4/spl plusmn/1-dB insertion loss was obtained from 2.2 GHz to 2.8 GHz. The chip size is less than 1.0 mm/sup 2/.

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