

Abstracts

A Continuously Variable Ku-Band Phase/Amplitude Control Module

Y. Gazit and H.C. Johnson. "A Continuously Variable Ku-Band Phase/Amplitude Control Module." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 436-438.

A Ku-band microstrip phase shifter capable of continuous phase and amplitude control is described. Three dual-gate FET amplifiers provide variable amplitude vectors that are separated by 120° and summed through an arrangement of quadrature couplers. The described phase shifter provides a full 360° shift with an amplitude weighting capability of more than 20 dB.

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