

Abstracts

An Eight - Phase Broadband Serrodyne Modulator

M. Topi. "An Eight - Phase Broadband Serrodyne Modulator." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 432-434.

The design of a 6 to 18 GHz serrodyne modulator is described. It consists of a P-I-N diodes based all passive eight step phase shifter. The device is digitally controlled. Experimental data and a comparison with a conventional serrodyne TWT are presented.

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