

Abstracts

A Dual Mode Variable Polarization Phase Shifter

W. Ke-Zhu. "A Dual Mode Variable Polarization Phase Shifter." 1990 MTT-S International Microwave Symposium Digest 90.2 (1990 Vol. II [MWSYM]): 733-735.

A new type of the DMVPPS is introduced in this paper in general term. The features of the conventional DMPS is operated only linear polarised wave, while DMVPPS consists of a NRCP, a FR and a VP. A linear polarized wave entering the device is converted to vertical horizontal position and negative circular polarization or arbitrary polarized wave in modern phased array radar of the techniques are given, it is reciprocal operated. Simple microwave structure, lower insertion loss, smaller size and less weight. Its behaviour can be compared with the conventional phase shifter.

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