

AN X BAND REFLECT-ARRAY WITH INTEGRATED PIN DIODES

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Abstract

In classical reflect-arrays, radiating elements and phase-shifters are quite distinct. The transitions between these two parts and the shielding problems generally lead to complicated structures. In the array presented the phase shifter elements (PIN diodes) are integrated on the radiating surface. Scanning is then realized by changing the position of the reflection plane in open propagation.

N O T E S