Abstracts

Product Design of a High-Power S-Band MIC Module for Phased Arrays

F.E. Vaccaro, E.E. Bliss, D. Zieger and R.P. Lorentzen. "Product Design of a High-Power S-Band MIC Module for Phased Arrays." 1971 Transactions on Microwave Theory and Techniques 19.7 (Jul. 1971 [T-MTT] (Special Issue on Microwave Integrated Circuits)): 609-616.

The mechanical and electrical design of a 10-W S-band hybrid microwave integrated circuit (MIC) module is described. The module uses transistor chips mounted on a carrier designed for stripline applications. Seventeen units were constructed and representative test data are presented. Phase matching of ±15° was obtained between a group of modules by use of compensating lengths of lines attached to the outputs.

❑ Return to main document.