Abstracts

Round Table Discussion on Design Limitations of Microwave Ferrite Devices

C.L. Hogan, B. Lax, P.H. Vartanian, J.O. Artman, G.S. Heller, H. Scharfman, T.N. Anderson, B.J. Duncan, E. Wantuch, H. Seidel, R.C. LeCraw, H.J. Carlin, R.F. Soohoo, P. Johnson, L. Swern, J.H. Rowen, J.C. Cacheris, D.L. Fresh, A.L. Aden, E. Schlomann, H.E.D. Scovil and R.W. Damon. "Round Table Discussion on Design Limitations of Microwave Ferrite Devices." 1958 Transactions on Microwave Theory and Techniques 6.1 (Jan. 1958 [T-MTT]): 104-111.

The 1957 Annual PGMTT Meeting concluded on May 10 with a round table discussion on Design Limitations of Microwave Ferrite Devices. This discussion was moderated by Professor C. L. Hogan of Harvard University, and the panel members were Drs. J. O. Artman, H, J. Carlin, D. L. Fresh, G. S. Heller, R. C. LeCraw, H. Seidel, and P. H. Vartanian. The topics considered appropriate for discussion were: 1) high-power effects (nonlinearity), 2) low-frequency limits, 3) high-frequency limits, 4) anomalous propagation in ferrite loaded waveguides, 5) below-saturation behavior of ferrites, 6) "fast" ferrite devices (depending on relaxation time), 7) bandwidth problems, 8) materials and losses, and 9) high-speed magnetic field problems. An edited version of the recorded discussion is published on the following pages.

❑ Return to main document.