Abstracts

Feeding RF Power from a Self-Excited, Pulsed Source into a High-Q Resonant Load (Correspondence)

H.A. Spuhler, R.J. Kenyon and P.D. Coleman. "Feeding RF Power from a Self-Excited, Pulsed Source into a High-Q Resonant Load (Correspondence)." 1959 Transactions on Microwave Theory and Techniques 7.3 (Jul. 1959 [T-MTT]): 391-391.

A problem frequently arising in microwave electronics is the feeding of pulsed power from a self-excited source into a high-Q resonant load. A typical example is the one of feeding power from a pulsed magnetron into a high-Q microwave cavity such as that used in a linear accelerator. In the past, it has been customary to use a stabilizing load in a series tee system which results in approximately half the magnetron power being fed into the high-Q cavity.

❑ Return to main document.