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## An input port for a high-power magnetron

*Tuesday, 21 May 2024 16:00 (2 hours)*

An input port for the magnetron uses the helix of the filament as an antenna into the resonant structure of the magnetron. Analytical results indicate the coupling variables in pitch and radius of the filament. High voltage standoff includes a combination of DC blocks and capacitive coupling techniques in either waveguide or coax. The importance of this novel innovation in magnetron development is discussed.

### Footnotes

### Funding Agency

### Paper preparation format

Word

### Region represented

North America

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