

Session DD

Miniature Filters

Chairman:

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The trend towards more performance in less space continues! Clever analytic design, combined with better materials, fabrication technology and electromagnetic field—based computer analysis and optimization enables interactions to be predicted and nullified. In this session, we present a new improvement to a mature technique (helical resonators), lumped elements in a superconductive environment, a MMIC filter with practical system stopband levels (-60dB), and an interesting variety of efficient, planar filter networks with good performance characteristics.