

Abstracts

Quasi-Lumped Element Band-Pass Filters Using DC Isolated Shunt Inductors

G.L. Hey-Shipton. "Quasi-Lumped Element Band-Pass Filters Using DC Isolated Shunt Inductors." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1493-1496.

The design of quasi-lumped element band-pass filters using DC isolated shunt inductors with finite frequency attenuation poles below the pass-band is described. The design uses coupled series transmission lines for improved tuning. Although generally applicable, these filters are particularly useful for planar thin film High Temperature Superconductors.

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