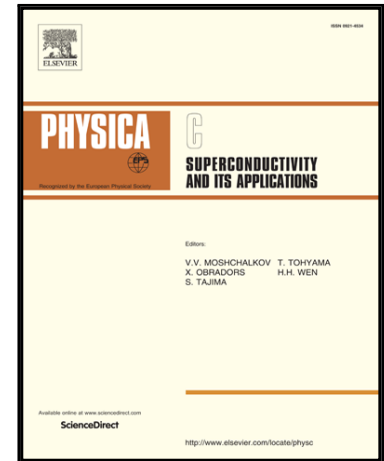


A Wideband Superconducting Filter at Ku-band Based on Interdigital Coupling

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Highlights

- A high-frequency H-type resonator with interdigital structure has been proposed
- The proposed interdigital structure between resonators can achieve strong coupling
- The compact wideband microstrip filter has a FBW of 30% at Ku-band
- The filter is optimized to avoid the influence of housing box resonance
- The fabricated filter has 0.3 dB insertion loss and 14 dB return loss

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