

Abstracts

Tunable Low-Loss UHF Circulator for Cryogenic Applications

J. Kadlec. "Tunable Low-Loss UHF Circulator for Cryogenic Applications." 1982 *Transactions on Microwave Theory and Techniques* 30.2 (Feb. 1982 [T-MTT]): 173-176.

A 600-MHz above-resonance circulator operating at 4.2 K has been constructed and successfully tested. Its high isolation (>30 dB), extremely low insertion loss (<0.1 dB), low VSWR (< 1.1), and acceptable instantaneous bandwidth (~6 percent) make it a promising device for utilization in narrow-band very low-noise systems.

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