

# 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 ( $\sim 6$  percent) make it a promising device for utilization in narrow-band very low-noise systems.

 [Return to main document.](#)