

# Abstracts

## Ferrite and wire baluns with under 1 dB loss to 2.5 GHz

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*A. Riddle. "Ferrite and wire baluns with under 1 dB loss to 2.5 GHz." 1998 MTT-S International Microwave Symposium Digest 98.2 (1998 Vol. II [MWSYM]): 617-620.*

This paper presents a ferrite and wire balun with performance similar to coaxial baluns. This balun makes two significant improvements over current technology: the wire impedance is adjusted for the ferrite and wire winding loading; and a trifilar wire is used to minimize skin effect losses. Insertion loss below 0.9 dB is achieved from 5 MHz to 2.5 GHz.

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