

Abstracts

Meander-Line and Hybrid Meander-Line Transformers (1972 [MWSYM])

E.G. Cristal. "Meander-Line and Hybrid Meander-Line Transformers (1972 [MWSYM])." 1972 G-MTT International Microwave Symposium Digest of Technical Papers 72.1 (1972 [MWSYM]): 149-151.

A new application of meander lines to impedance transformers is proposed and developed. Meander-line transformers are shown to have less bandwidth than stepped-impedance transformers for a given passband VSWR, but can have greatly preferred shape factors in stripline and MIC realizations. Hybrid meander-line transformers allow circuit designers greatly increased flexibility in choosing transformer shape factors, while allowing (basically) the same electrical performance as with either stepped-impedance or meander-line transformers. Experimental confirmations are presented.

[Return to main document.](#)