

# Abstracts

## A new coax to troughguide transition

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*G.D. Hopkins, B.K. Edenfield, J.G. Hampton and R.L. Roberts. "A new coax to troughguide transition." 2002 Microwave and Wireless Components Letters 12.8 (Aug. 2002 [MWCL]): 299-301.*

This letter presents a new transition from coax to troughguide. The transition was developed using a combination of finite element method modeling and experimental validation. A frequency bandwidth of approximately 12% was achieved at a reflection coefficient of -20 dB. Detailed design parameters and a comparison between modeled and measured results are presented.

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