

Abstracts

A 4 GHz Dielectric Contiguous Output Multiplexer for Satellite Applications

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A 4 GHz output multiplexer is described which significantly reduces the size and weight of satellite transponders. The multiplexer utilizes dielectrically loaded cavities, mounted and tuned in a novel way to increase power handling up to 80 watts per channel. A coaxial T-junction coupled manifold cases tuning and results in a very small and light multiplexer unit.

[Return to main document.](#)