Experiment on the Design of an Optical Waveguide Power Divider

Abstract A numerical model of an equal power divider based on the 4-branch single-mode waveguide is proposed. This proposed design does not require extra fabrication process and ...

In this paper, multi-way quasi-optical parallel-plate waveguide power dividers/combiners are designed and fabricated using the 2D diffraction approximation.

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In this brief, we present a novel design of a Ka-band four-way power divider employing a two-part waveguide magic-T cascade structure that offers a concise form factor.

To meet the needs of multi-way power distribution applied to high-power solid-state sources, a multi-way power distribution device based on coaxial waveguide is designed and studied.

We propose an improved eight-way radial waveguide power divider, which implements the power-dividing circuit (PDC) and the isolation circuit (IC) in the same air waveguide cavity, which ...

In this paper, an E -plane stepped-impedance transformer and Y-junction bifurcation are used to form a waveguide power divider with ceramic substrate loaded with thin film resistors.

In this paper, a dynamic controllable unequal power divider based on spoof plasmonic waveguide loaded with varactors is proposed, which is mainly composed of a double-sided ...

In this work, two dynamically tunable power dividers using waveguide ENZ media are proposed by precisely modulating the internal magnetic field and the widths of the output ...

The results indicate that we successfully fabricated a power divider via ion implantation and achieved the goal of quasi-equal output power. This report provides an effective method for the ...

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