

# Customization Process for Anti-Calling Optical Directional Couplers in Smart Cities

Dichroic couplers can be used to combine a pump and a signal input for a fiber amplifier, or to remove residual pump light after the amplifier. For high-power fiber lasers and amplifiers, one often needs ...

Directional couplers (DC) are made up of two optical waveguides that are brought close enough together to interact optically in their respective modes. This interaction separates the modes ...

When designing a directional coupler, the length and gap must be chosen to produce the desired power splitting ratio at the output. Directional couplers are also sensitive to fabrication variations, so the ...

In this tutorial, we'll uncover the benefits of creating a parametric model for directional couplers, leveraging the advanced layout and model-building capabilities of IPKISS.

The document discusses optical directional couplers, which are fiber optic devices that combine or split an optical signal between two fiber ports. It describes how directional couplers work using the ...

In this work, we make use of a latticeless integrated quasi-optic that exploits reflections at a parabolically curved slab-edge to launch a broadband collimated slab-mode beam according to ...

A new methodology for realizing fabrication-tolerant planar directional couplers is proposed and experimentally demonstrated.

In this paper, a systematic study on some of the main design parameters of contra-directional couplers (CDCs) was performed. CDCs with different gaps and corrug.

A directional coupler is defined as a device that couples only to waves traveling in a specific direction, allowing for the measurement of forward and reverse power levels in transmission ...

We conduct a systematic study involving experimental optical measurements, numerical simulations, and direct electron microscopy imaging to investigate this discrepancy in directional ...

In this work, we make use of a latticeless integrated quasi-optic that exploits reflections at a parabolically curved slab-edge to launch a broadband ...

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