Low Loss AWG Wavelength Division Multiplexer for Local Area Networks

It provides low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path. Our CWDM Mux/Demux products provide up to 16-channel or even 18 ...

This paper reviews receivers that feature low-loss multimode-output arrayed waveguide gratings (MM-AWGs) for wavelength division multiplexing (WDM) as well as hybrid integration ...

To satisfy the stringent requirements of large-capacity optical communication systems, the high-performance silicon arrayed waveguide gratings (AWG) with 32 wavelength channels and 100 ...

A silicon arrayed-waveguide grating (AWG) with 1.6-nm channel spacing is proposed and realized with high performances for dense wavelength ...

Phxfiber is one of the leading arrayed waveguide grating manufacturers, our AWG multiplexers are engineered and manufactured to meet the performance requirements of your high-speed applications.

Here, we develop a novel design approach that co-optimizes inverse-designed wavelength division multiplexers and distributed Bragg gratings to achieve ultra-low crosstalk without compromising ...

The next generation high-efficiency and high-power optical network requires high performance wavelength division multiplexer, which can withstand high power inp

We demonstrate a robust, compact and low-loss four-channel wavelength-division multiplexing (WDM) filter based on cascaded double-ring resonators (2RR) in silicon.

This wavelength division multiplexing buying guide provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

Two types are available: integrated arrayed waveguide gratings (AWG), offering low cost, compact size, and precise ITU grid alignment; and discrete filter-based WDMs, providing greater flexibility to ...

A silicon arrayed-waveguide grating (AWG) with 1.6-nm channel spacing is proposed and realized with high performances for dense wavelength-division (de)multiplexing systems.

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