

Based on the theory of light transmission, the relationships between structure parameters and optical performance of AWG chip are analyzed. Four-channel AWG MUX/DEMUX chips for ...

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

Arrayed waveguide gratings (AWG) are commonly used as optical (de)multiplexers in wavelength division multiplexed (WDM) systems. These devices are capable of multiplexing many wavelengths ...

Please refer to Data sheet for detailed specifications. If you need a different model number, please feel free to ask a quotation.

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 ...

AWG is a WDM technology used in DWDM systems to separate or combine many wavelength channels within a single fiber. Unlike TFF, which are simpler and suited for fewer ...

In this work, a 4-channel polarization-independent arrayed waveguide grating (AWG) was designed for CWDM systems, which was realized by ridge waveguides on the SOI platform with 3 ...

In this work, we have proposed a dual-tuning AWG with wavelength tuning structure and optical power tuning structure, which can solve the problem of wavelength ...

Arrayed waveguide gratings (AWG) are commonly used as optical (de)multiplexers in wavelength division multiplexed (WDM) systems. These devices are capable of multiplexing many wavelengths into a single optical fiber, thereby increasing the transmission capacity of optical networks considerably. The devices are based on a fundamental principle of optics, which states that light waves of different wavelengths do not interfere linearly with each other. This means that, if each channel in an optical communication

In this work, we have proposed a dual-tuning AWG with wavelength tuning structure and optical power tuning structure, which can solve the problem of wavelength shift and unbalanced output power of ...

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In fiber-optic communications, wavelength-division multiplexing (WDM) is a technology which multiplexes a

number of optical carrier signals onto a single optical fiber by using different ...

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.

Description The Gigalight Athermal Arrayed Waveguide Grating (AAWG) Dense Wavelength Division Multiplexer (DWDM) based on silica on silicon technology is designed for ITU channel spacing ...

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