

ARRAYED WAVEGUIDE GRATINGS

PM 50GHz 96-Channel C-Band Athermal AWG

Polarization-maintaining 96-channel C-band athermal AWG on a 50 GHz grid.



Key Features

- Polarization-maintaining construction
- 96 channels on a 50 GHz grid
- Athermal package with no power requirement
- Insertion loss ≤ 7 dB worst case across the ITU passband

Applications

- Coherent detection front ends
- High-density DWDM with polarization-sensitive receivers
- Interferometric sensing arrays
- Laboratory and test systems

Overview

The polarization-maintaining build of our highest-density AWG: 96 channels on a 50 GHz grid across the C band, with PM fiber and alignment throughout so each channel leaves the device in the polarization state it entered.

Athermal packaging holds channel centers across temperature without a heater or control loop.

Specifications

Optical Performance

PARAMETER	VALUE	UNIT	CONDITIONS
Number of Channels	96		
Channel Spacing	50	GHz	
Insertion Loss	≤ 7	dB	ITU passband, worst case
Fiber Type	Polarization maintaining		

Order or request a quote

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lightwitphotonics.com

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Lightwit Photonics Co., Ltd.

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Specifications are subject to change without notice and do not constitute a warranty. Confirm all parameters with Lightwit Photonics sales before ordering.