

# 80-Channel 50GHz Athermal AWG MUX/DE-MUX Rackmount

This rackmount is an 80-channel 50GHz athermal arrayed waveguide grating (AWG) multiplexer/demultiplexer designed for DWDM systems. The athermal design ensures stable performance across a wide temperature range without needing active temperature control.



## Product Overview

### High-Capacity Optical Networking

The 80-Channel 50GHz Athermal AWG is a robust passive optical component engineered for dense wavelength division multiplexing (DWDM) applications. Its athermal design guarantees consistent performance across a broad temperature range, eliminating the need for active temperature control units. Built for high spectral efficiency and low insertion loss, this rackmount solution is ideal for high-capacity optical networks and modern data center infrastructures.

## Technical Specifications

Channel Count	80
Channel Spacing	50 GHz
Component Type	Athermal AWG (Arrayed Waveguide Grating)
Functionality	Multiplexing, Demultiplexing, DWDM

## Key Metrics

### Performance Highlights

**80 ch**

Channels

**50 GHz**

Spacing

## Application

### Suitable Environments

- High-capacity optical networks
- Data centers
- DWDM systems