

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