

LAN WDM Module

KOC's LAN (Local Area Network) WDM is designed to meet industrial stringent size and loss requirement. Based on Thin-Film-Filter (TFF) and Micro-optics, this low loss LWDM features small form factor, ultra low insertion loss, high channel isolation, and unparallel reliability. The technology is a lead-free packaging platform and no epoxy in the optical path. The LAN-WDM is Telcordia GR-1221 and GR-1209 qualified, and RoHS compliant.



Features

- Ultra low insertion loss
- High isolation
- Mux & DeMux
- Compact size
- High Reliability
- Epoxy-Free Optical Path
- Telcordia GR 1221 and GR-1209 compliant

Applications

- WDM System for Local Area Network
- Optimized package for CFP transceiver modules
- Following 100Gbps IEEE 802.3 ba standard

Specifications

Parameter	Specification		Unit
Optical Performance			
Channel Wavelength	1271, 1291, 1311, 1331	1271, 1291, 1311, 1331	nm
	(or other CWDM wavelength)	(or other CWDM wavelength)	
0.5dB Passband	CW±6.5nm	CW±6.5nm	nm
Insertion Loss	(max) 1.6dB, typical <1.0 dB		dB
Polarization Dependent Loss	≤0.30	≤0.30	dB
Adjacent Channel Isolation	≥30	≥30	dB
Non-adjacent Channel Isolation	≥40	≥40	dB
Return Loss	≥45		dB
Directivity	≥50		dB
Mechanical Performance			
Dimension	20x12.4x6.4		mm
Fiber	250 um Corning ClearCurve bare fiber, or 900um loose tube for protection (other protection tube is available)		
Environment Performance			
Operating Temperature Range	-5 to 70 (-40 to 85)		°C
Storage Temperature Range	-40 to 85		°C

Order Guide

L-WDM	Channels	Wavelength	Type	Grade	Pigtail	Length	Connector
	4: 4CH	6: 1271~1331	M: Mux	P: Premium	1: 250um	1: 0.5m	1: None, 2: SCU
		1: 1259.56~1309.14	D: DeMux	S: Standard	2: 900um	2: 1m	3: SCA, 4: LCU
						3: 1.5m	5: LCA, 6: FCU
						4: 2m	7: FCA
						5: 2.5m	