

VMUX is designed for DWDM system, reconfigurable optical add/drop multiplexer (ROADM) system, and metropolitan area network (MAN). The products have functions of Mux/Demux and pre-equalize of optical power in different channels.



## Applications

DWDM system  
ROADM system

## Features

Fast response, easy control  
Low insertion loss  
Small volume, low cost

## Specifications

Parameter	Unit	Value
Channel Number		16 , 32 , 40 , 48
Channel Space	GHz	100
Wavelength	nm	C or L band
Bandwidth(@-0.5dB)	nm	>0.2
Channel Central Wavelength Accuracy	nm	±0.05
Insertion Loss	dB	<7.0(40ch) <7.5(48ch)
Channel Insertion Loss Uniformity	dB	<1.2
Polarization Mode Dispersion	ps	<0.5
Polarization Dependent Loss	dB	0~5:<0.5 5~10:<0.7 10~15:<1.0
Adjacent Channel Isolation	dB	>25
Non-Adjacent Channel Isolation	dB	>30
Return Loss	dB	>40
Channel Attenuation Range	dB	Typ. : 15
Response Time	ms	<10
Power Consumption	°C	-5 ~ +65
Operating Temperature	°C	-40 ~ +85
Storage Temperature	W	<2(TFF) <30(AWG)
Package	mm	210×120×23

## Ordering Information

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Module Type	Channel Spacing	Channel Number	Wavelength	Fiber Dia.	Fiber Length	Connector	Application Type
G:AWG F:TFF	1:100GHz 3:50GHz	16:16channels 32:32channels 40:40channels 48:48channels	C:C Band L:L Band	025:Φ0.25mm 09:Φ0.9mm	1:1m customer specify	00:no connector FC,SC,LC,MU/ UPC,APC	M:Mux D:Demux