FINISAR

40 channels 100G DWDM MUX/DEMUX Module

Features:

- **Low optical insertion loss**
- **Mux/Demux forty channel wavelengths**
- **LC connectors**
- **Cost-effective technology**
- **Reliable passive WDM technology**
- **Scales easily for ring networks**
- **Low-profile modular design**
- **1RU 19'' rack mount chassis package**
- **RoHS Compliant**



Forty channel DWDM module is a passive optical multiplexer/ demultiplexer designed for metro access applications that represent the state of the art in fiber optics design. This MUX/DEMUX module multiplexes and demultiplexes forty DWDM wavelengths of 100GHz channel spacing into a ring or point-to-point network.

The MUX/DEMUX module is packaged with a 1RU, 19'' rack mount chassis for simple installation and modularity. This chassis based system offers network equipment manufacturers a more scalable and higher-density solution to add DWDM capability to their existing and new networks with simple pluggable interface.

Finisar's DWDM product delivers dramatic cost savings to network equipment manufacturers, enabling them to develop metro access systems that are lower in cost, easier to provision and simpler to operate.

Channel Grid:

#	ITU channel number	Wavelength (nm)	#	ITU channel number	Wavelength (nm)
1	21	1560.61	21	41	1544.53
2	22	1559.79	22	42	1543.73
3	23	1558.98	23	43	1542.94
4	24	1558.17	24	44	1542.14
5	25	1557.36	25	45	1541.35
6	26	1556.55	26	46	1540.56
7	27	1555.75	27	47	1539.77
8	28	1554.94	28	48	1538.98
9	29	1554.13	29	49	1538.19

Finisar WuXi Inc.
Lot Z3-1, Wuxi Export Processing Zone, Wuxi New District, WuXi,
Jiangsu Province, China 214028
Main: +86-510-68007800 Fax: +86-510-68007900

Finisar Corporation
1308 Moffett Park Drive, Sunnyvale, CA 94089-1133, USA
Main: (408) 548-1000 Fax: (408)543-0083
Email: sales@finisar.com Website: www.finisar.com

Mar. 15 Rev. A

10	30	1553.33	30	50	1537.40
11	31	1552.52	31	51	1536.61
12	32	1551.72	32	52	1535.82
13	33	1550.92	33	53	1535.04
14	34	1550.12	34	54	1534.25
15	35	1549.32	35	55	1533.47
16	36	1548.51	36	56	1532.68
17	37	1547.72	37	57	1531.90
18	38	1546.92	38	58	1531.12
19	39	1546.12	39	59	1530.33
20	40	1545.32	40	60	1529.55

Specifications:

For all the optical specifications, the following condition applied:

1. The maximum insertion loss is under all state of polarization and within the full operation temperature and wavelength ranges specified.
2. All the parameters are including the connector loss.

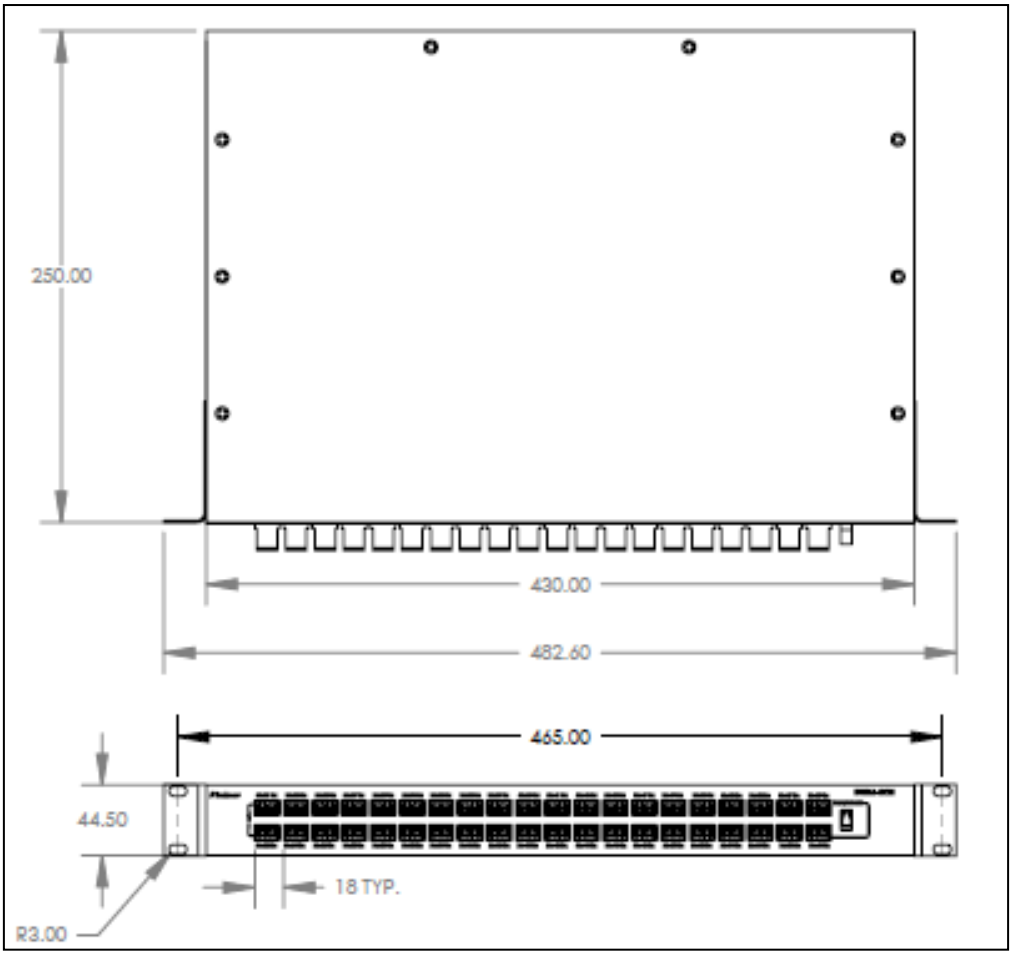
Parameter	Conditions	Specification		Unit
Operating Wavelength	DWDM Channel	1529.55-1560.61		nm
Channel number		40		
Channel spacing	ITU 100GHz Grid	100G		HZ
Channel Bandwidth	For all DWDM add/drop ports	± 0.11		nm
		Min	Max	
DWDM Channel Insertion Loss			5	dB
Ripple	Within channel bandwidth		0.5	dB
Uniformity			1	dB
DWDM Channel Isolation for MUX&DEMUX	adjacent channel	30		dB
	non-adjacent channel	40		dB
PDL			0.25	dB
PMD			0.15	ps
Directivity		50		dB
Return Loss	At all ports	45		dB
Power Handling		300		mW
Operating Temperature		-5	+70	˚C
Operating Relative Humidity		85% Maximum, non-condensing		
Storage Temperature		-40	+85	˚C
Storage Relative Humidity		5 to 95% Maximum, non-condensing		

Finisar WuXi Inc.
Lot Z3-1, Wuxi Export Processing Zone, Wuxi New District, WuXi,
Jiangsu Province, China 214028
Main: +86-510-68007800 Fax: +86-510-68007900

Finisar Corporation
1308 Moffett Park Drive, Sunnyvale, CA 94089-1133, USA
Main: (408) 548-1000 Fax: (408)543-0083
Email: sales@finisar.com Website: www.finisar.com

Package Type		1RU 19’’ Rack	
Adapter type		Duplex LC/UPC	

Mechanical Packaging:



Panel Label:



PN Information:

FWSF-D-40-M/D-R-LC DWDM,40CH,MUX/DEMUX MODULE,1RU 19" RACK,LC

Finisar WuXi Inc.
Lot Z3-1, Wuxi Export Processing Zone, Wuxi New District, WuXi,
Jiangsu Province, China 214028
Main: +86-510-68007800 Fax: +86-510-68007900

Finisar Corporation
1308 Moffett Park Drive, Sunnyvale, CA 94089-1133, USA
Main: (408) 548-1000 Fax: (408)543-0083
Email: sales@finisar.com Website: www.finisar.com