Dense Wavelength Division Multiplexers Module (4/8/16 Channels) (GK-DWDMM Series)

Description

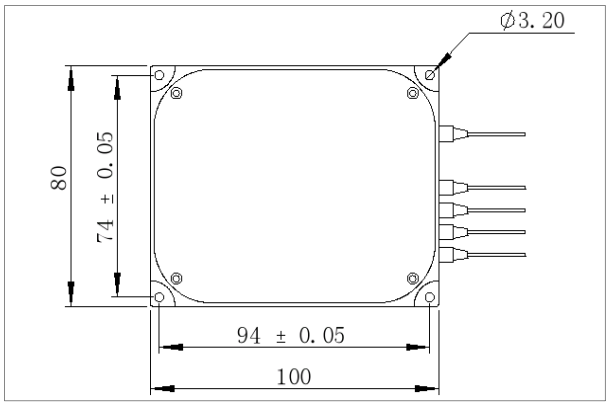
The Multi-Channel Dense Wavelength Division Multiplexer Module is based on thin film DWDM devices by cascading individual channels into sequence. Channel numbers can be as high as 40 (16) for 100 (200) GHz systems in C band or in L band. They are featured with wide passband, low insertion loss, high channel isolation and high environmental stability. They can be used in dense WDM systems to perform mutiplexing or demutiplexing function.

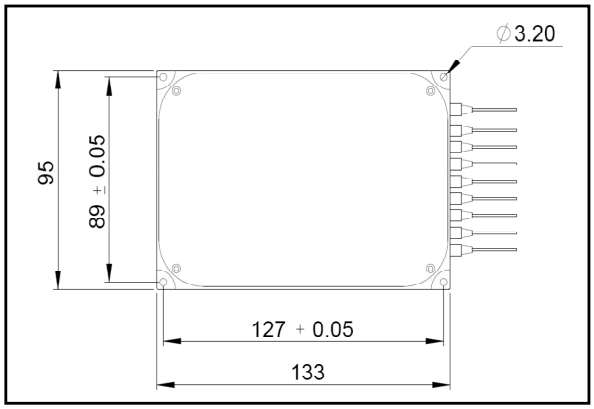
Specifications

Parameter	Unit	4Ch 8Ch 16Ch 4Ch 8Ch 16Ch
Filter Type	nm	100 GHz 200 GHz
Pass Bandwidth @ 0.5 dB	nm	0.22 0.5
Max. Insertion Loss	dB	2.5 3.5 4.8 2.2 3.3 4.6
Passband Flatness	dB	1.0
Channel Uniformity	dB	1.5
Channel Isolation (Mux)	dB	N/A
Channel Isolation (Demux)	dB	25
Max. Polarization Dependent Loss	dB	0.1
Max. Polarization Mode Dispersion	ps	0.1
Directivity	dB	55
Min. Return Loss	dB	45
Center Wavelength Stability	nm/℃	0.002
Thermal Stability	dB/℃	0.006
Max. Optical Power	mW	300
Tensile Load	N	5
Fiber Type	-	SMF-28 Fiber
Operating Temperature	℃	-5 to +70
Storage Temperature	℃	-40 to +85
Package Dimensions	mm	100 × 80 × 9.5 (4 Ch), 133 × 95 × 9.5 (8 Ch), 150 × 115 × 14 (16 Ch)

[1]IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

Package Dimensions





Ordering Information

GK-DWDMM-①-②-③-④-⑤-⑥-⑦

①: Module Type

M - MUX

D - DEMUX

②: Channel Spacing

1 - 100 GHz

2 - 200 GHz

③: Number of Channels

04 - 4 Channels

08 - 8 Channels

16 - 16 Channels

④: First ITU Grid

⑤: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑥: Fiber Type

B - 250 μm Bare Fiber

L - 900 μm Loose Tube

C - 3 mm Cable

S - Specify

⑦: Fiber Length

H - 0.5 m

S - Specify