

## WDM 1310 | 1490 | 1550 3W Optical Filter

### Description

WDM 1310/1490/1550 3W supports voice, data, and video services.

The WDM passive components, based on thin film filter technology, combine all network services / signals over a single fiber.

Low insertion loss and high isolation between channels ensures reliable network performance.

WDMs are available in LGX® module, ruggedized cassette, rack-mount 1RU, and stainless steel tube type.

Also, available in custom housings.

### Application

FTTH | Fiber To The Home

PON | Passive Optical Networks



2x WDM 1310/1490/1550 SC/APC LGX® 1S Module (pictured)

### Specifications

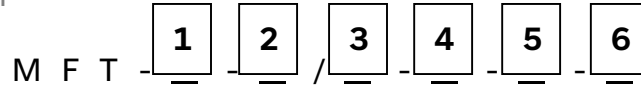
Parameters		Value
Operating wavelength nm	1310 band	1260 ~ 1360
	1490 band	1480 ~ 1500
	1550 band	1550 ~ 1560
Insertion loss dB	1310/1490nm	1.2
	1550nm	1.4
Isolation dB	1310/1490nm	15 @ 1550 ~ 1560
	1550nm	30 @ 1310 + 1490
Wavelength thermal stability nm/°C max.		0.002
Return loss dB min.		50
Directivity dB min.		50
PDL dB max.		0.15
PMD ps max.		0.15
Power handling mW min.		300
Operating / Storage Temp. °C		-40 to +85
Fiber type		Singlemode Bend insensitive G657A

Note: Above values do not include connectors

Housing dimensions	Value
LGX® 1 Slot Module mm (H x D x W)	129 x 125 x 28
Ruggedized Metal Cassette mm (H x W x L)	10 x 80 x 100
Rack-mount 1RU 19/23" mm (W x D x H)	482 x 230 x 44
Stainless Steel Tube mm (Diam. x L)	Ø5.5 x 38

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Ordering information



### 1. Housing type:

<b>M</b>	LGX <sup>®</sup> Module
<b>C</b>	Ruggedized Cassette
<b>R</b>	Rack-mount 1RU 19/23"
<b>T</b>	Tube Stainless Steel

### 2. Adapter Port / Fiber Cable type:

<b>00</b>	Adapters only
<b>20</b>	Ø2.0mm fiber cable
<b>90</b>	Ø900um fiber cable
<b>25</b>	Ø250um bare fiber

**NOTE:**

Ø900um & Ø250um fiber for Stainless Steel tube housing

### 3. Adapter / Connector type:

<b>AFC</b>	FC/APC
<b>FCU</b>	FC/UPC
<b>ALC</b>	LC/APC
<b>LCU</b>	LC/UPC
<b>ASC</b>	SC/APC
<b>SCU</b>	SC/UPC
<b>PL</b>	Pigtail

### 4. Adapter / Connector type:

<b>AFC</b>	FC/APC
<b>FCU</b>	FC/UPC
<b>ALC</b>	LC/APC
<b>LCU</b>	LC/UPC
<b>ASC</b>	SC/APC
<b>SCU</b>	SC/UPC
<b>PL</b>	Pigtail

### 5. Fiber length for cassette and tube (m):

<b>0.5</b>	0.5 meter
<b>1</b>	1 meter
<b>1.5</b>	1.5 meter
<b>2</b>	2 meter
<b>2.5</b>	2.5 meter
<b>3</b>	3 meter

### 6. High-Density Housing:

(more than 1 WDM in a Single LGX, Ruggedized Cassette, or Rack-mount 1RU housing type:

<b>(2)</b>	2 WDMs
<b>(3)</b>	3 WDMs
<b>(4)</b>	4 WDMs

Note:

- Multiple WDMs available in Rack-mount 1RU
- WDMs available in Customized housings
- Ruggedized Cassettes can be ordered with Ø2.0mm outdoor-rated (black) jacketed Fiber cable

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