



SEI CONFIDENTIAL

Specification of 64ch Test Access Module

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1. General

This document covers the specification of Test Access Module for GPON 0.5U Module.

2. Product Name

Product Name and Product Code are shown in Table 1.

Table 1. Product Name / Product Code

Product Name	Product Code
64h Test Access Module (Male)	64chWDM-M-S2175xxx
64h Test Access Module (Female)	64chWDM-F-S2175xxx

3. Function

Function of Filter Wavelength Division Multiplexer is shown in Figure 1.



Figure 1. Function of 64ch Test Access Module

4. Specifications

4.1. Optical specifications

Optical Specifications of 64ch Test Access Module are shown in Table 2.

Table 2. Optical specifications

Parameter		Unit	Specification	
			Min	Max
Wavelength Range	COM<->OLT	nm	1260	1625
	COM<->OTH	nm	1645	1655
Insertion Loss*	COM<->OLT	dB	-	1.25
	COM<->OTH		-	1.05
Passband Ripple		dB	-	0.5
Isolation	Pass Channel	dB	30	-
	Reflect Channel		13	-
PDL		dB	-	0.3
Directivity		dB	50	-
Return Loss		dB	50	-

* Note: Including loss of connector

4.2. Mechanical specifications

Mechanical specifications of 64ch Test Access Module are shown in Table 3.

Table 3. Mechanical specifications

Parameter		Unit	64h Test Access Module (Male)	64h Test Access Module (Female)
Dimensions		mm	483.0X150.0X22.0 (See Appendix)	
Optical connector arrangement		-	See Figure 2	
Color		-	Black	
Optical fiber		-	ITU-T G657. A1 Fiber	
Optical connector	COM	-	Duplex LC/APC	
	OLT	-	24MPO (Male)	24MPO (Female)
	OTH	-	(See Figure 3)	
16MPO	Durability (disconnect and reconnect)	times	50	
	Color		Yellow	
	Polishing angle		APC (8°)	
Duplex LC/APC	Durability (disconnect and reconnect)	times	500	
	Color		Green	
	Polishing angle		APC (8°)	

* Only center 16 optical fibers are used

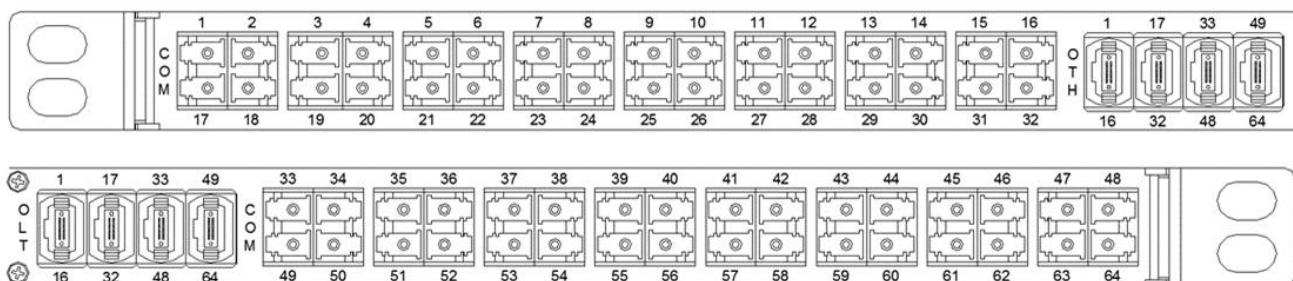


Figure 2. Arrangement of 24MPO and Duplex LC connector

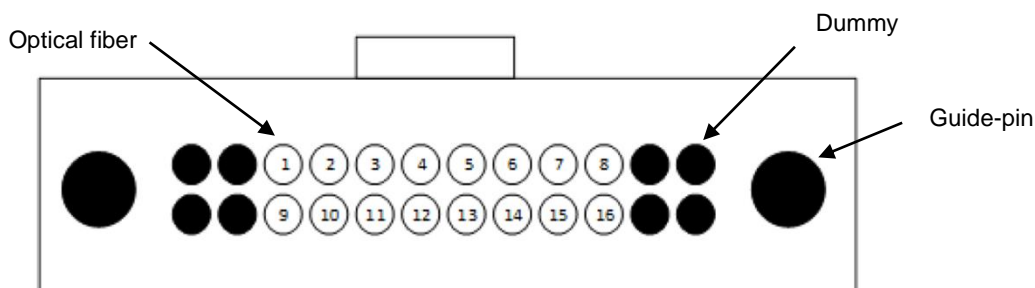


Figure 3. End-face of 24 MPO connector

4.3. Environmental Conditions

Environmental conditions for 64ch Test Access Module are shown in Table 4.

Table 4. Environmental conditions

Parameter	Unit	Min	Max
Operating Temperature	°C	0	+70
Operating Humidity Range	%RH	5	90
Storage Temperature	°C	-40	+85
Storage Humidity Range	%RH	5	90

5. Inspection Data

Following inspection data is supplied.

- Insertion Loss
- Isolation

6. Revision History

Revision	Date	Author	Description
YZS2175006	18 th Feb., 2022	H. Hatayama	Initial issue

End

Appendix Drawing of 64ch Test Access Module (unit: mm)

