

XPON WDM Spec.

1. Product information

Product Description: 1×4 XPON WDM Module, 0.9mm loose tube, with SC/APC connector, Package Dimension : LGX.

DKT/type: LGX-WDM-XGS-PON+GPON+TV

DKT No.: 69958

2. Revision History

Rev.	Notes	Prepared by	Audited by	Approved by	Date
V0	Initial release				2024-5-28

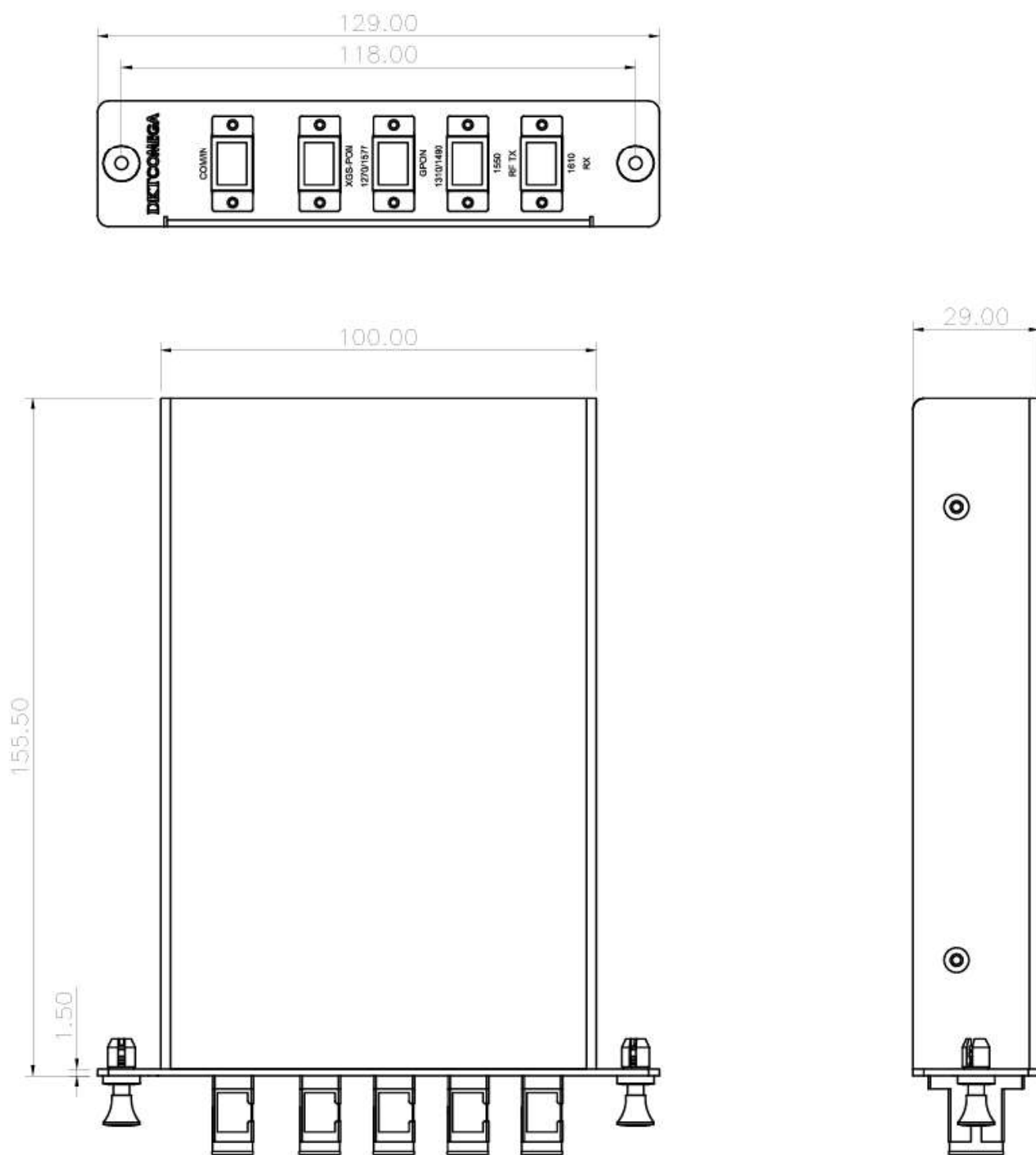
3. Performance Specifications

Parameters			Unit	Specifications
Channel Count			Ch	1×4
Operating Wavelength			nm	1260~1625
Channel Wavelength	XGS-PON		nm	1260~1280 & 1575~1580
	GPON		nm	1290~1330 & 1480~1500
	1550 RF TX		nm	1540~1560
	1610 RX		nm	1600~1625
Insertion Loss	XGS-PON	Max	dB	1.0
	GPON	Max	dB	1.4
	1550 RF TX	Max	dB	1.8
	1610 RX	Max	dB	1.8
Isolation	XGS-PON	Min	dB	30
	GPON	Min	dB	30
	1550 RF TX	Min	dB	30
	1610 RX	Min	dB	15
Passband Ripple		Max	dB	0.3
Polarization Dependent Loss		Max	dB	0.1
Polarization Mode Dispersion		Max	ps	0.1
Directivity		Min	dB	50
Return Loss		Min	dB	45
Power Handling		Max	mW	300
Pigtail Type			-	0.9mm loose tube
Fiber Type			-	G657A
Connector Type			-	SC/APC
Operating Temperature			°C	-40~85
Storage Temperature			°C	-40~85
Package Dimension			mm	LGX

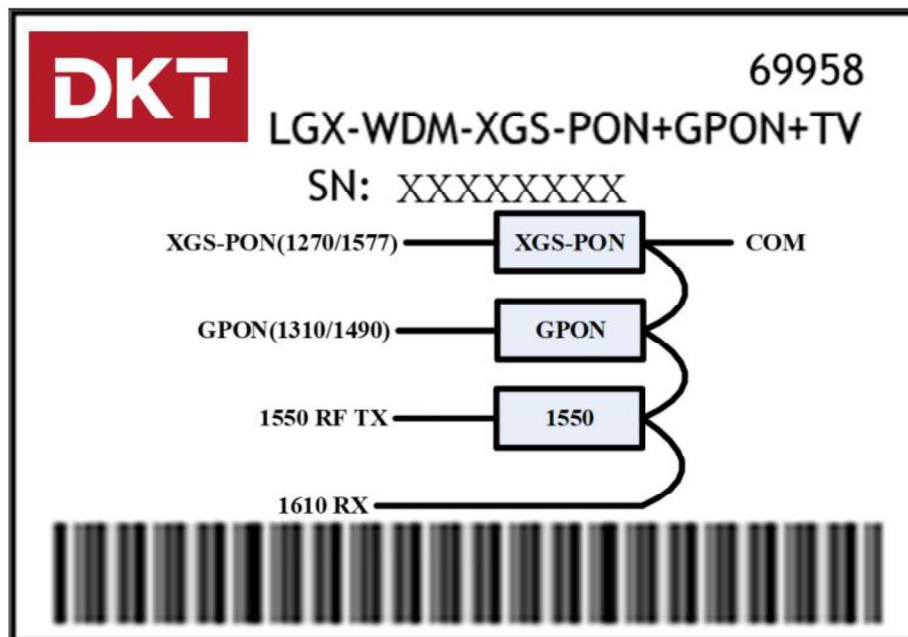
Remark: Specifications include connector.

4. Package drawing

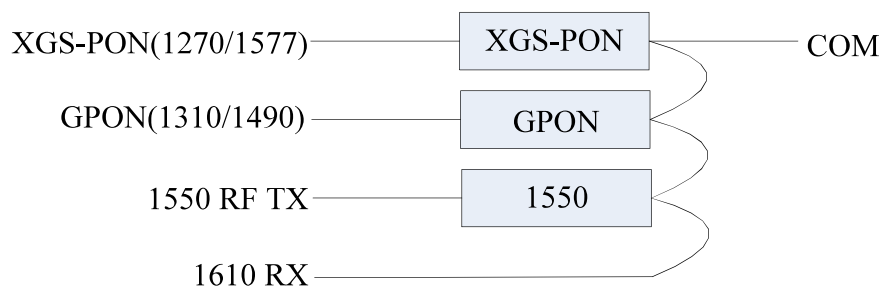
The product accord with RoHS requirement.



Label format as below:



5. Configuration drawing



6. Test Report

The test report should be provided when the products are delivered. Following characteristic test data should be included:

- Insertion Loss@room temperature
- PDL@ room temperature
- Adjacent Channel Isolation@ room temperature
- CPN, SN bar code

7. Packaging

Label on out packaging box same to inside Module label.