PRODUCT ENGINEERING SPECIFICATION

Product Name：8CH CWDM Demux Module

Product Number：NCWDM-8-D-47-LGX

Customer PN：NCWDM-8-D-47-LGX

Product Description: 8 Channel CWDM Demux

8 Wavelength: 1470-1610nm

Connector: LC/UPC, LGX

Box: 215*200*20.2mm

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Engineering Change Notice (ECN)

No.	ECN Content Description	ECN Date	Make Revise	Rev.	Notes
1	First Version		Alexander Galichanin	A0	

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8CH CWDM Demux LGX Module

1. Product Description:

Part Number: NCWDM-08-D-47-LGX
Description: 8CH CWDM Demux, Fiber Type: SMF-28e, Wavelength: 1470-1610nm, Package: LGX Box: 215*200*20mm, Connector: LC/UPC.

2. Specifications:

Parameter	Unit	Value
Channel Number	CH	8
Operation Wavelength	nm	1460 ~ 1620
Channel Central Wavelength	nm	1470, 1490…1590, 1610
Channel Space	nm	20
Channel Passband	nm	λ@ITU±6.5/CWDM
Passband @-0.5dB	nm	≥14
Reflection-band	nm	1460~(λc-12.5) & (λc+12.5)~1620
Insertion Loss (Typ.)	dB	2.40
Insertion Loss (Max.)	dB	2.60
Adjacent Channel Isolation	dB	≥30
Non-adjacent Channel Isolation	dB	≥45
Passband Ripple	dB	≤0.30
Return Loss	dB	≥45
Polarization Mode Dispersion (PMD)	ps	≤0.20
Polarization Dependent Loss (PDL)	dB	≤0.15
Power Handling	mW	<500
Connector Type	-	LC/UPC
Operation Temperature	°C	-20 ~ +85
Storage Temperature	°C	-40 ~ +85
Package Dimension	mm	LGX Box: 215*200*20mm

Note: The above parameter is without connector. If with connector, IL will increase by 0.3dB.

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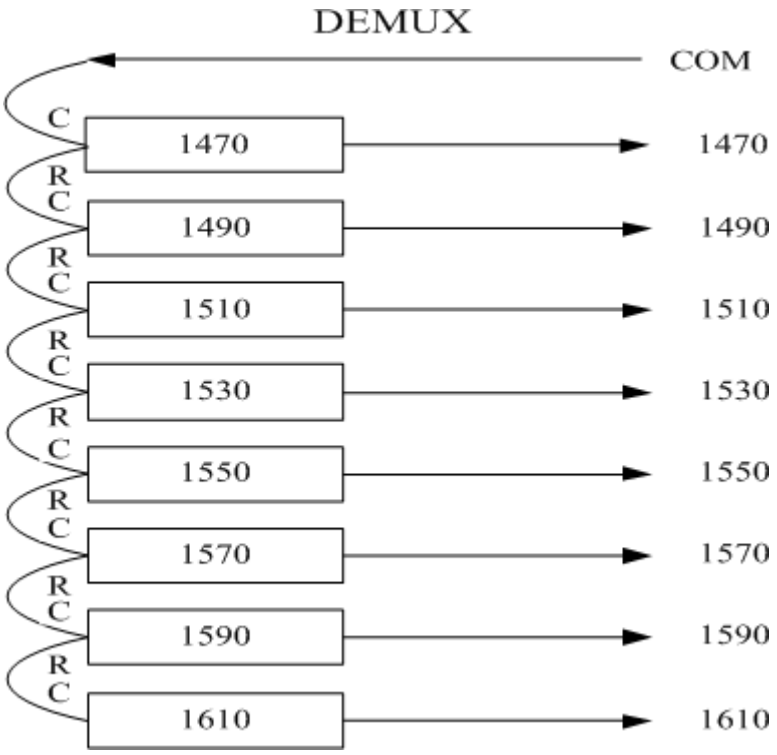
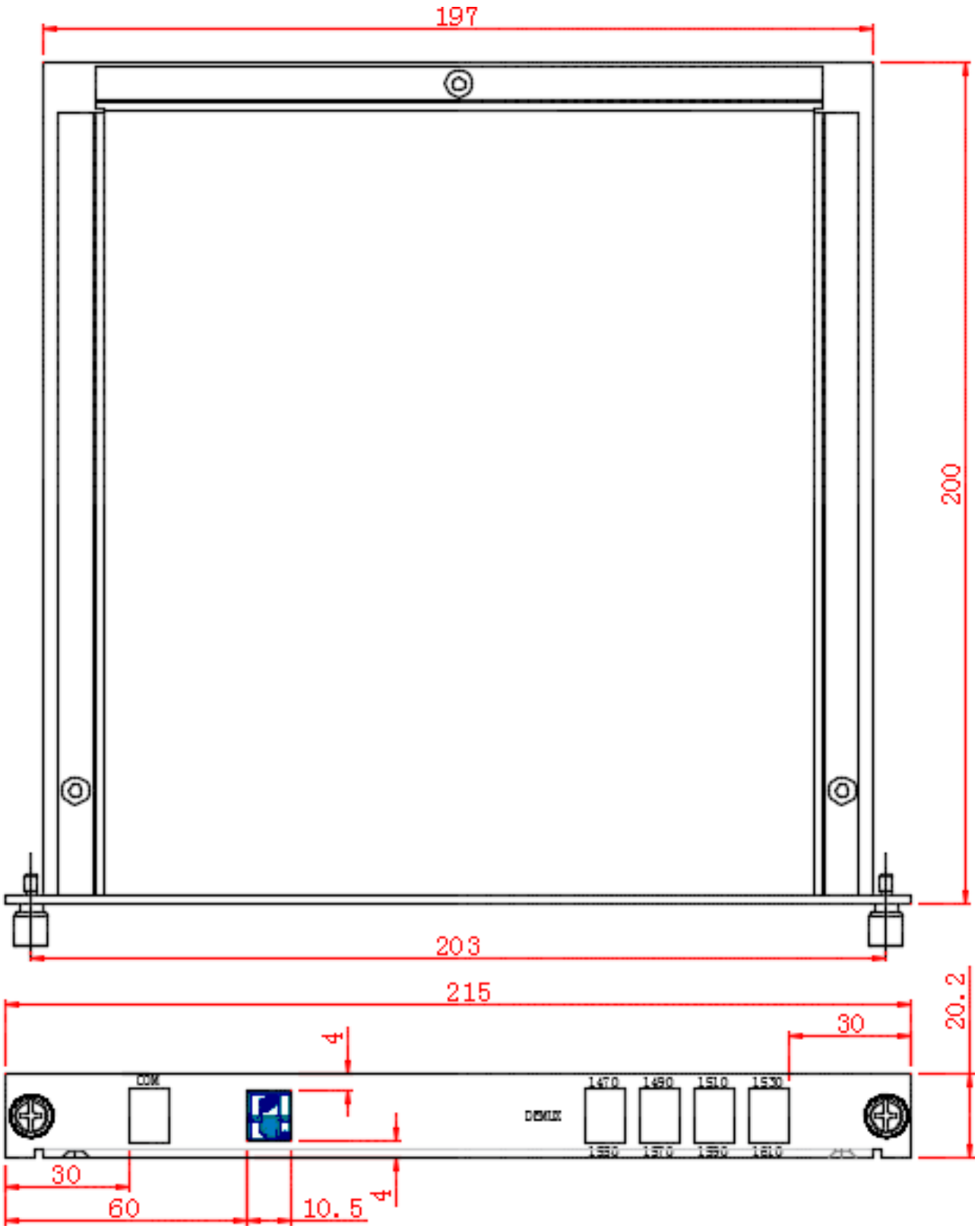
3. Optical Path Diagram



Part Number	Output Port	Wavelength
NCWDM-08-D-47-LGX	Port1	1470nm
	Port2	1490nm
	Port3	1510nm
	Port4	1530nm
	Port5	1550nm
	Port6	1570nm
	Port7	1590nm
	Port8	1610nm

4. Outline Drawing:



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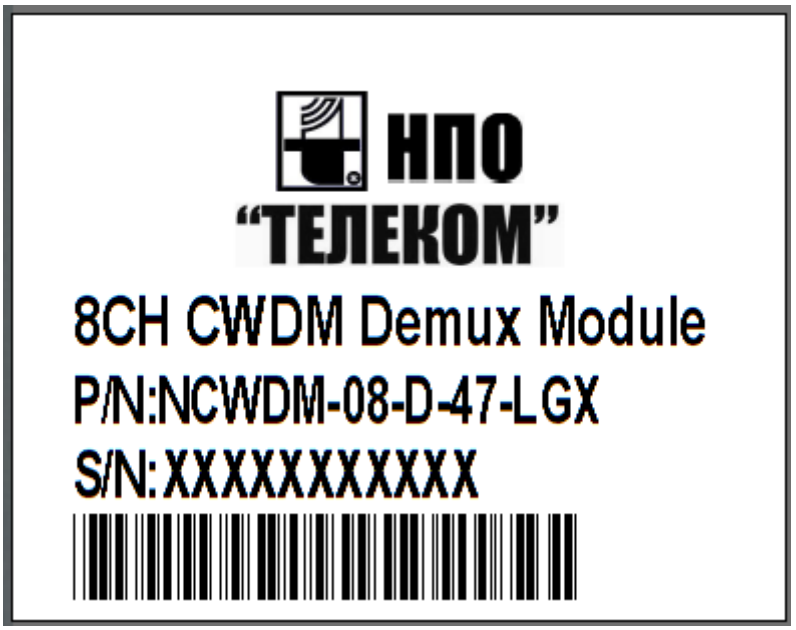
5. Label Diagram:



6. Test Report:

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

- Insertion Loss (Port1-Port8)
- Adjacent Channel Isolation
- Isolation
- PDL

7. Packaging:

Following items should be indicated on the outer packaging surface：

Product Name
Product Number
Serial Number (SN bar code)