

Lead the fiber optic network

Neoptek has a deep experience in innovative development and product introduction of optical components. The products and solutions being offered have benefited from over 15 years of R&D and manufacturing experience.

Our optical components have been implemented in major telecommunication networks successfully through networks and equipment vendors worldwide.

Our vertically integrated development and production capability from chip to transceiver module enables us to offer the faster response time and the stronger price leadership in market. While our various business experience with global players in Japan and Korea has proved unmatched level of product quality and technical support.

Based upon the great success above and worldwide sales and technical support network of LS group, Neoptek hopes to share the great value with more players in global.

Neoptek is the fiber optic component group of LS Cable (previously LG Cable).



Quality Assurance

As the core sprit, Neoptek has believed the highest possible quality of products can only guaranteye customer's success and our survival in unpredictable business world. It can also keep our leadership in the market. For the best quality and customer's success, Neoptek has strived to improve and innovate the business process including product design, development, manufacturing, delivery, and technical support.

- ISO 9001:2000

For quality management, all of our design and manufacturing facilities are audited and certified in compliance with ISO 9001:2000.

- ISO 14001:2004

For minimization of world environmental impact, all of our production facilities are audited and certified in compliance with strict ISO 14001:2004.

- TL 9000

It is a quality management system to meet the quality requirements of the worldwide telecommunication industry. Neoptek is certified TL 9000 in year 2002.

- UL

We acquired UL mark(File No. E220300, E226109) which is standard for safety ensuring public safety and confidence, reduce costs, improve quality and market products and services.

- ROHS(Restrictions on Harzardous Substance) Compliance

We are working with our suppliers to comply with the EU restriction of the use of Harzardous Substances in all of our products manufactured after July 1, 2006. Neoptek believes we have the obligation as a humanbeing to keep the world not only for us but also for our next generations.

- Telcodia GR-468-CORE

All of our products have to be passed the rigorous test in accordance with Telcodia GR-468-CORE to ensure a product is reliable.



Product Summary

Data rate	Package	Part Number	Descriptions	
2.5Gbps	SFP	NTVM-250-PAT	LC Duplex, 850nm VCSEL, ≤ 550m	
		NTSP-DGxx-5Axxx	LC Duplex, 1310/1550nm DFB, ≤ 20/40/80km	
		NTSP-BGxx-5Axxx	SC/LC BiDi, 1310/1550nm DFB, ≤ 20km	
	2x12 Compact	NTCP-DGxx-5Axxx	LC Duplex, C/L-band CWDM DFB, ≤ 20/40/80km	
		NTBT-SGxxL24-P0x	Pigtailed SC BiDi, 1310/1550nm, ≤ 20km	
		NTPT-SK43L24	G-PON OLT, G.984.2/Class B	
1.25Gbps	SFP	NTPT-SK34L20	G-PON ONT, G.984.2/Class B+	
		NTSP-BE20-6A43	GE-PON OLT, IEEE802.3ah PX-20	
		NTVM-125-PAT	LC Duplex, 850nm VCSEL, ≤ 550m	
	SFF	NTSP-DExx-5Axxx	LC Duplex, 1310/1550nm FP/DFB, ≤ 20/40/80km	
		NTSP-BExx-5Axxx	SC/LC BiDi, 1310/1550nm FP/DFB, ≤ 20/40/80km	
		NTCP-DExx-5Axxx	LC Duplex, C/L-band CWDM DFB, ≤ 20/40/80km	
		NTCP-BExx-5Axxx	SC/LC BiDi, C/L-band CWDM DFB, ≤ 20/40/80km	
		NTPT-SE43L12-20	2x6, GE-PON OLT, IEEE802.3ah PX-20	
		NTPT-SE43L10-20	2x5, GE-PON OLT, IEEE802.3ah PX-20	
		NTPT-SE34L10-10	2x5, GE-PON ONT, IEEE802.3ah PX-10	
		NTPT-SE34L10-20	2x5, GE-PON ONT, IEEE802.3ah PX-20	
		NTBT-SExxL10-Px-x	Pigtailed SC BiDi, 1310/1550nm FP/DFB, ≤ 20/40km	
		NTBT-FExxL10-xx-x	SC receptacle BiDi, C/L-band CWDM, ≤ 20/40km	
		1x9	NTV-E3L09-Px-x	SC Receptacle, 1310nm FP/DFB, ≤ 20/40km
			NTCV-ExxL09-xx-x	Pigtailed SC, C/L-band CWDM DFB, ≤ 20/40/80km
	NTBT-RExxL09-xx-x		SC receptacle BiDi, 1310/1550nm FP/DFB, ≤ 20/40km	
	NTBT-SExxL09-xx-x		Pigtailed SC BiDi, 1310/1550nm FP/DFB, ≤ 20/40km	
	NTSP-D1xx-5Axxx		LC Duplex, 1310/1550nm FP/DFB, ≤ 20/40/80km	
NTSP-B1xx-5Axxx	SC/LC BiDi, 1310/1550nm FP/DFB, ≤ 20/40/80km			
155Mbps	SFP	NTV-F13L10-Px-x	LC Duplex, 1310nm FP, ≤ 15/40km	
	SFF	NTBT-F1xxL10-Px-x	SC Receptacle BiDi, 1310/1550nm FP/DFB, ≤ 15/40km	
		NTBT-R1xxL09-Px-x	SC Receptacle BiDi, 1310/1550nm FP/DFB, ≤ 15/40km	
	1x9	NTBT-S1xxL09-Px-x	Pigtailed SC BiDi, 1310/1550nm FP/DFB, ≤ 15/40km	
		NTV-13L09-Px-x	SC Receptacle, 1310nm FP, ≤ 15/40km	
	2x9	NTV-13L18-Px-x	SC Receptacle, 1310 FP, ≤ 15/40km	

SFPs



Features

- Up to 2.5Gbps
- Compliant with SFP MSA
- +3.3V single power supply
- TTL signal detect indicator
- Differential AC coupled inputs and outputs
- Hot-pluggable capability
- 1310nm and 1550nm FP/DFB Laser
- Very low jitter
- Low power dissipation
- Digital diagnostic function available
- RoHS compliant

Compliance

- GR-253-CORE
- ITU-T G.957
- IEEE 802.3z Gigabit ethernet 1000Base-LX, ZX
- Fiber Channel FC-PI 13.0
- SFF-8472 Revision 9.5

Application

- Metro Access Network
- Data Communication Network
- SDH/SONET/ATM System
- High speed optical system



SFPs

Part No.	Data Rate (Mbps)	Reach (km)	Tx λ (nm)	LD	Rx λ (nm)	PD	Supply Voltage (V)	Connector Type	Operating Temp.
Duplex Type									
NTVM-125-PAT	1,250(GbE & FC)	~ 0.5	850	VCSEL	•	PIN	+3.3	LC	A
NTVM-250-PAT	2,488(OC48 & 2xFC)	~ 0.35	850	VCSEL	•	PIN	+3.3	LC	A
NTSP-D120-5A31x	155.520(FE)	~ 20	1310	FP	•	PIN	+3.3	LC	A, B, C
NTSP-D140-5A31x	155.520(FE)	~ 40	1310	FP	•	PIN	+3.3	LC	A, B, C
NTSP-D180-5A55x	155.520(FE)	~ 80	1550	DFB	•	PIN	+3.3	LC	A, B, C
NTSP-DE20-5A31x	1,250(GbE & FC)	~ 20	1310	FP	•	PIN	+3.3	LC	A, B, C
NTSP-DE40-5A31x	1,250(GbE & FC)	~ 40	1310	DFB	•	PIN	+3.3	LC	A, B, C
NTSP-DE40-5A55x	1,250(GbE & FC)	~ 40	1550	DFB	•	PIN	+3.3	LC	A, B, C
NTSP-DE80-5A55x	1,250(GbE & FC)	~ 80	1550	DFB	•	PIN	+3.3	LC	A, C
NTSP-DG20-5A31x	2,488(OC48 & 2xFC)	~ 20	1310	DFB	•	PIN	+3.3	LC	A, C
Bi-Directional Type									
NTSP-B120-5A35x	155.520(FE)	~ 20	1310	FP	1550	PIN	+3.3	LC, SC	A, B, C
NTSP-B120-5A53x	155.520(FE)	~ 20	1550	FP	1310	PIN	+3.3	LC, SC	A, B, C
NTSP-B140-5A35x	155.520(FE)	~ 40	1310	FP	1550	PIN	+3.3	LC, SC	A, B, C
NTSP-B140-5A53x	155.520(FE)	~ 40	1550	DFB	1310	PIN	+3.3	LC, SC	A, B, C
NTSP-B180-5A35x	155.520(FE)	~ 80	1310	DFB	1550	PIN	+3.3	LC, SC	A, B, C
NTSP-B180-5A53x	155.520(FE)	~ 80	1550	DFB	1310	PIN	+3.3	LC, SC	A, B, C
NTSP-BE20-5A35x	1,250(GbE & FC)	~ 20	1310	FP	1550	PIN	+3.3	LC, SC	A, B, C
NTSP-BE20-5A53x	1,250(GbE & FC)	~ 20	1550	DFB	1310	PIN	+3.3	LC, SC	A, B, C
NTSP-BE40-5A35x	1,250(GbE & FC)	~ 40	1310	DFB	1550	PIN	+3.3	LC, SC	A, B, C
NTSP-BE40-5A53x	1,250(GbE & FC)	~ 40	1550	DFB	1310	PIN	+3.3	LC, SC	A, B, C
NTSP-BG15-6A35x	2,488(OC48 & 2xFC)	~ 15	1310	DFB	1550	PIN	+3.3	LC, SC	A, C
NTSP-BG15-6A53x	2,488(OC48 & 2xFC)	~ 15	1550	DFB	1310	PIN	+3.3	LC, SC	A, C

Operating Temperature : A = 0 ~ 70°C, B = -40 ~ 85°C, C = -20 ~ 85°C

All Products are available with or without Digital Diagnostic functions.

For more information, please visit our website
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CWDM SFPs



Features

- Up to 2.5Gbps
- Compliant with SFP MSA
- +3.3V single power supply
- TTL signal detect indicator
- Differential AC coupled inputs and outputs
- Hot-pluggable capability
- 16 Channel(C/L Band) CWDM wavelengths available
- Very low jitter
- Low power dissipation
- Digital diagnostic function available
- RoHS compliant

Compliance

- GR-253-CORE
- ITU-T G.957
- IEEE 802.3z Gigabit ethernet 1000Base-LX, ZX
- Fiber Channel FC-PI 13.0
- SFF-8472 Revision 9.5

Application

- Metro/Access CWDM system
- Data Communication Network
- GbE, SDH/SONET/ATM System
- High speed optical system



CWDM SFPs

Part No.	Data Rate (Mbps)	Reach (km)	Tx λ (nm) ^a	LD	Rx λ (nm)	PD	Supply Voltage (V)	Connector Type	Operating Temp.
Duplex Type									
NTCP-DE20-5Axxx	1,250(GbE & FC)	~ 20	1xx0	DFB	•	PIN	+3.3	LC	A, B, C
NTCP-DE40-5Axxx	1,250(GbE & FC)	~ 40	1xx0	DFB	•	PIN	+3.3	LC	A, B, C
NTCP-DE80-5Axxx	1,250(GbE & FC)	~ 80	1xx0	DFB	•	PIN	+3.3	LC	A, B, C
NTCP-DE120-5Axxx	1,250(GbE & FC)	~ 120	1xx0	DFB	•	APD	+3.3	LC	A, C
NTCP-DG20-5Axxx	2,488(GbE & 2xFC)	~ 20	1xx0	DFB	•	PIN	+3.3	LC	A, B, C
NTCP-DG40-5Axxx	2,488(GbE & 2xFC)	~ 40	1xx0	DFB	•	PIN	+3.3	LC	A, B, C
NTCP-DG80-5Axxx	2,488(GbE & 2xFC)	~ 80	1xx0	DFB	•	APD	+3.3	LC	A, B, C
Bi-Directional Type									
NTCP-BE20-5A17x	1,250(GbE & FC)	~ 20	1510	DFB	1570	PIN	+3.3	LC, SC	A, B, C
NTCP-BE20-5A71x	1,250(GbE & FC)	~ 20	1570	DFB	1510	PIN	+3.3	LC, SC	A, B, C
NTCP-BE40-5A17x	1,250(GbE & FC)	~ 40	1510	DFB	1570	PIN	+3.3	LC, SC	A, B, C
NTCP-BE40-5A71x	1,250(GbE & FC)	~ 40	1570	DFB	1510	PIN	+3.3	LC, SC	A, B, C
NTCP-BE80-5A17x	1,250(GbE & FC)	~ 80	1510	DFB	1570	PIN	+3.3	LC, SC	A, B, C
NTCP-BE80-5A71x	1,250(GbE & FC)	~ 80	1570	DFB	1510	PIN	+3.3	LC, SC	A, B, C

^a : xx = CWDM Wavelength, All CWDM SFPs are available from 1270nm through 1610nm

Operating Temperature : A = 0 ~ 70°C, B = -40 ~ 85°C, C = -20 ~ 85°C

All Products are available with or without Digital Diagnostic functions.

Custom wavelength combinations available

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PON Transceiver



Features

- 1310/1490/1550nm BiDi transmission technology
- Burst Tx / Continuous Rx for ONT
- Continuous Tx / Burst Rx for OLT
- LVPECL high speed signal interface
- Pigtail or receptacle 2x5 SFF for GE-PON ONT
- Pigtail or receptacle 2x5/2x6 SFF & pigtail or receptacle SFP for GE-PON OLT
- SFF, Compact form factor for G-PON OLT/ONT
- Class B+ attenuation range for G-PON
- Low cross talk
- More than 21dB dynamic range for GE-PON
- More than 24dB dynamic range for G-PON
- RoHS compliant

Compliance

- IEEE 802.3ah-2004
- ITU-T G.984.2
- ITU-T G.984.2 Amendment

Application

- GE-PON P-T-MP system
- G-PON P-T-MP system
- B-PON P-T-MP system



PON Transceiver

Part No.	Data Rate(Mbps)		Application	Size(mm)	Wavelength(nm)		Supply Voltage (V)	Operating Temp.
	Tx	Rx			Tx	Rx		
B-PON OLT								
NTPT-S153L32-20	155	155	G983.1 Class B (25dB)	40 x 60 x 8.5	1550	1310	+3.3	A
NTPT-S143L32-20	155	622	G983.3 Class B (25dB)	40 x 60 x 8.5	1490	1310	+3.3	A
B-PON ONU								
NTPT-S135L24-20	155	155	G983.1/3 Class C (30dB)	40 x 60 x 8.5	1310	1490/ 1550	+3.3	A
NTPT-S134L24-20	155	155	G983.3 Class B (25dB) (w/1550nm blocking filter)	40 x 60 x 8.5	1310	1490	+3.3	A
NTPT-SV14L20	155	622 (Analog:50- 870MHz)	G983.3 / Class B Video Overlay	50 x 50 x 16.5	1310	1490/ 1550	+3.3 +12	A, B
GE-PON OLT								
NTPT-SE43L10-20	1,250	1,250	IEEE802.3ah PX-20	SFF 2x5	1490	1310	+3.3	A
NTPT-SE43L12-20	1,250	1,250	IEEE802.3ah PX-20	SFF 2x6	1490	1310	+3.3	A
NTSP-BE20-6A43	1,250	1,250	IEEE802.3ah PX-20	SFP	1490	1310	+3.3	A
GE-PON ONU								
NTPT-SE34L10-10	1,250	1,250	IEEE802.3ah PX-10	SFF 2x5	1310	1490	+3.3	A, C
NTPT-SE34L10-20	1,250	1,250	IEEE802.3ah PX-20	SFF 2x5	1310	1490	+3.3	A, C
NTPT-SE34L10-10+	1,250	1,250	IEEE802.3ah PX-10+	SFF 2x5	1310	1490	+3.3	A, C
G-PON OLT								
NTPT-SK43L24	2,488	1,250	G984.2 / Class B	40 x 60 x 8.5	1310	1490	+3.3V	A
G-PON ONU								
NTPT-SK34L20	1,250	2,488	G984.2 / Class B+ (27.5dB)	50 x 50 x 16.5	1310	1,490 / 1,550	+3.3 / +12	B

Operating Temperature : A = 0 ~ 70°C, B = -40 ~ 85°C, C = -20 ~ 85°C

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Bi-Directional Transceiver



Features

- Up to 2.5Gbps data rate
- 1x9, SFF MSA, 2x12 package
- SC/LC Receptacle or Pigtailed type
- +3.3V/+5V power supply
- LVPECL (or LVTTTL) link-status flag output(Signal Detect)
- LVPECL high speed signal interface
- 1310/1550nm uncooled FP-LD and DFB-LD
- High isolation WDM module
- Low back reflection , High bandwidth
- High Sensitive InGaAs PIN photodiode

Compliance

- IEEE 802.3z 1000BASE-LX Specifications
- ITU-T G.957
- 2x5 SFF MSA

Application

- Metro/Access network system
- Wireless Repeater system
- Other optical terminals

Bi-Directional Transceiver

Part No. ^a	Data Rate (Mbps)	Reach (km)	Tx λ (nm)	LD	Rx λ (nm)	PD	Supply Voltage (V)	Connector Type	Operating Temp.
1 x 9									
NTBT-R135L09-Px-A	155.520(FE)	~ 40	1310	FP	1550	PIN	+3.3	SC Receptacle	A, B, C
NTBT-R153L09-Px-A	155.520(FE)	~ 40	1550	FP/ DFB	1310	PIN	+3.3	SC Receptacle	A, B, C
NTBT-R135H09-Px-A	155.520(FE)	~ 40	1310	FP	1550	PIN	+5.0	SC Receptacle	A, B, C
NTBT-R153H09-Px-A	155.520(FE)	~ 40	1550	FP / DFB	1310	PIN	+5.0	SC Receptacle	A, B, C
NTBT-RE35L09-Px-A	1,250(GbE & FC)	~ 40	1310	FP	1550	PIN	+3.3	SC Receptacle	A, B, C
NTBT-RE53L09-Px-A	1,250(GbE & FC)	~ 40	1550	DFB	1310	PIN	+3.3	SC Receptacle	A, B, C
NTBT-S135L09-Px-A	155.520(FE)	~ 40	1310	FP	1550	PIN	+3.3	Pigttailed SC	A, B, C
NTBT-S153L09-Px-A	155.520(FE)	~ 40	1550	FP/ DFB	1310	PIN	+3.3	Pigttailed SC	A, B, C
NTBT-S135H09-Px-A	155.520(FE)	~ 40	1310	FP	1550	PIN	+5.0	Pigttailed SC	A, B, C
NTBT-S153H09-Px-A	155.520(FE)	~ 40	1550	FP / DFB	1310	PIN	+5.0	Pigttailed SC	A, B, C
NTBT-SE35L09-Px-A	1,250(GbE & FC)	~ 40	1310	FP/ DFB	1550	PIN	+3.3	Pigttailed SC	A, B, C
NTBT-SE53L09-Px-A	1,250(GbE & FC)	~ 40	1550	DFB	1310	PIN	+3.3	Pigttailed SC	A, B, C
SFF									
NTBT-F135L10-Px-A	155.520(FE)	~ 40	1310	FP	1550	PIN	+3.3	SC Receptacle	A, B, C
NTBT-F153L10-Px-A	155.520(FE)	~ 40	1550	FP/ DFB	1310	PIN	+3.3	SC Receptacle	A, B, C
NTBT-SE35L10-Px-A	1,250(GbE & FC)	~ 40	1310	FP/ DFB	1550	PIN	+3.3	Pigttailed SC	A, B, C
NTBT-SE53L10-Px-A	1,250(GbE & FC)	~ 40	1550	DFB	1310	PIN	+3.3	Pigttailed SC	A, B, C
NTBT-FE71L10-20-C	1,250(GbE & FC)	~ 20	1570	DFB	1510	PIN	+3.3	SC Receptacle	A, B, C
NTBT-FE17L10-20-C	1,250(GbE & FC)	~ 20	1510	DFB	1570	PIN	+3.3	SC Receptacle	A, B, C
2 x 12									
NTBT-SG35L24-P0C	2,488(OC48 & 2xFC)	~ 20	1310	DFB	1550	PIN	+3.3	Pigttailed SC	A, C
NTBT-SG53L24-P0C	2,488(OC48 & 2xFC)	~ 20	1550	DFB	1310	PIN	+3.3	Pigttailed SC	A, C

Operating Temperature : A = 0 ~ 70°C, B = -40 ~ 85°C, C = -20 ~ 85°C

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Duplex Transceiver



Features

- Up to 1.25Gbps data rate
- 1x9, 2x9, SFF package
- SC/LC Receptacle or Pigtailed type
- +3.3V/+5V power supply
- LVPECL (or LVTTTL) link-status flag output(Signal Dete
- Internal AGC for wide dynamic range
- Uncooled InGaAsP SMOQW Fabry-Perot LD and APC for constant output power
- High Sensitive InGaAs PIN photodiode

Compliance

- IEEE 802.3z 1000BASE-LX Specifications
- ITU-T G.957
- 2x5 SFF MSA

Application

- SDH/SONET system
- Metro/Access network system



Duplex Transceiver

Part No. ^a	Data Rate (Mbps)	Reach (km)	Tx λ (nm)	LD	PD	Supply Voltage (V)	Connector Type	Operating Temp.
1 x 9 Type								
NTV-13L09-Px-A	155.520(FE)	~ 40	1310	FP	PIN	+3.3	SC	A, B, C
NTV-13H09-Px-A	155.520(FE)	~ 40	1310	FP	PIN	+5.0	SC	A, B, C
NTV-43L09-Px-A	622	~ 40	1310	FP/DFB	PIN	+3.3	SC	A, B, C
NTV-43H09-Px-A	622	~ 40	1310	FP/DFB	PIN	+5.0	SC	A, B, C
NTV-E3L09-Px-A	1,250(GbE & FC)	~ 40	1310	FP/DFB	PIN	+3.3	SC	A, B, C
NTCV-ExxL09-40-A	1,250(GbE & FC)	~ 40	CWDM 16ch	DFB	PIN	+3.3	SC	A, B, C
2 x 9 Type								
NTV-13L18-Px-A	155.520(FE)	~ 40	1310	FP	PIN	+3.3	SC	A, B, C
NTV-13H18-Px-A	155.520(FE)	~ 40	1310	FP	PIN	+5.0	SC	A, B, C
NTV-13H18C-Px-A	155.520(FE)	~ 40	1310	FP	PIN	+5.0	SC	A, B, C
NTV-43L18-Px-A	622	~ 40	1310	FP/DFB	PIN	+3.3	SC	A, B, C
NTV-43H18-Px-A	622	~ 40	1310	FP/DFB	PIN	+5.0	SC	A, B, C
NTV-43H18C-Px-A	622	~ 40	1310	FP/DFB	PIN	+5.0	SC	A, B, C
SFF Type								
NTV-F13L10-Px-A	155.520(FE)	~ 40	1310	FP	PIN	+3.3	LC	A, B, C

Operating Temperature : A = 0 ~ 70°C, B = -40 ~ 85°C, C = -20 ~ 85°C

For more information, please visit our website
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Transmitter Receiver OSA LD / PD



Features

- Triplexer OSA for B/GE/G-PON available with analog video channel
- Analog PD current monitor available Triplexer OSA
- Wide range of laser and receiver options
- FP-LD for digital transmission at 1310nm
- High sensitivity with AGC of coaxial PIN TIA
- Higher responsibility & lower return loss of PD
- Low dark current, good linearity of PD
- Cost effective uncooled laser technology of DFB-LD
- Laser welding assembly method for DFB-LD

Compliance

- ITU-T G983.1 Class B
- IEEE 802.3ah
- ITU-T G.984 Class B
- ITU-T SDH STM-1 Specifications
- ITU-T G.652

Application

- B/GE/G-PON system
- Wireless Analog Repeater system
- Wireless Digital Repeater system
- SDH/SONET network system



Transmitter Receiver OSA LD / PD

Part No.	Data Rate (Mbps)	Reach (km)	λ (nm)	LD	PD	Supply Voltage (V)	Connector Type	Operating Temp.
Transmitter								
NTT-13P3	155	~ 15	1310	FP	•	+3.3/+5.0	Pigtailed SC, FC	A, B
NTT-13P0	155	~ 40	1310	FP	•	+3.3/+5.0	Pigtailed SC, FC	A, B
NTT-13PS	155	~ 80	1310	DFB	•	+3.3/+5.0	Pigtailed SC, FC	A, B
NTT-43P0	622	~ 40	1310/1550	FP/DFB	•	+3.3/+5.0	Pigtailed SC, FC	A, B
Receiver								
NTR(C)-13	155	~ 40	1100 ~ 1600	•	PIN	+5.0	Pigtailed SC, FC, ST	A, B
NTR(C)-43	622	~ 40	1100 ~ 1600	•	PIN	+5.0	Pigtailed SC, FC, ST	A, B
Part No.	Data Rate(Mbps) Up Down		Application	Wavelength(nm) Up Down		Analog Receiver	Operating Temp.	
Triplexer OSA								
NTR-S14	155	622	B-PON ONU	1310 FP	1490 PIN	1550 PIN	A, B	
NTR-SEE	1,250	1,250	GE-PON ONU	1310 FP	1490 PIN	1550 PIN	A, B	
NTR-S4E	622	1,250	G-PON ONU	1310 FP	1490 PIN	1550 PIN	A, B	
NTR-SEG	1,250	2,488	G-PON ONU	1310 FP	1490 PIN	1550 PIN	A, B	
Part No.	Output Power / Sensitivity		Type	Wavelength(nm) Tx Rx		Connector Type	Operating Temp.	
LD / PD								
NRLF3	3mW, 4mW		FP - LD	1310	•	Pigtailed SC, FC	A, B	
NTLD3	3mW, 4mW		DFB - LD	1310	•	Pigtailed SC, FC	A, B	
NRLF5	3mW, 4mW		FP - LD	1550	•	Pigtailed SC, FC	A, B	
NTLD5	3mW, 4mW		DFB - LD	1550	•	Pigtailed SC, FC	A, B	
NTPP	•		PIN - PD	•	1100~1600	Pigtailed SC, FC	A, B	
NTPPT	•		PIN - TIA	•	1100~1600	Pigtailed SC, FC	A, B	

Operating Temperature : A = 0 ~ 70°C, B = -40 ~ 85°C, C = -20 ~ 85°C

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