

Fujitsu Optical Components Line-up



Part Number	Maximum Data Rate [Gbps]	Wavelength [nm]	Max Power Consumption [W]	Tc [°C]	Size (L x W x H) [mm]	Distance [km]	400Gbps	300Gbps	200Gbps	100Gbps
CFP2 DCO Transceiver										
FIM38750	400(*2)	Full C-band Tunable	-5 to 70	107.5 x 41.5 x 12.4	Metro	400km(*2)	●	●	●	●
FIM38760	200(*2)					2500km(*2)				
OSFP DCO Transceiver										
FIM38800	400	Full C-band Tunable	0 to 75	100.4 x 22.6 x 13.0	ZR	120km	●			
QSFP56-DD DCO Transceiver										
FIM38900	400	Full C-band Tunable	0 to 75	93.3 x 18.4 x 8.5	ZR	120km	●			
FIM38950(*3)	400(*2)				OpenZR+ MSA	400km(*2)	●	●	●	●

(*1) Available upon request (*2) Depends on modulation format and FEC (*3) Under development

Part Number	Data Rate [Gbps]	Wavelength [nm]	Max Power Consumption [W]	Tc [°C]	Size (L x W x H) [mm]	Distance [km]	100G OTN (OUT-4)	100G Ethernet
FIM37000/172	103.1	L0: 1294.53 to 1296.59 L1: 1299.02 to 1301.09 L2: 1303.54 to 1305.63 L3: 1308.09 to 1310.19	0 to 70	71.1 x 18.3 x 8.4		ZR4 TxOMA+2.5dBm	●	●
FIM37000/173	103.1					ZR4 TxOMA+3.5dBm		
FIM37000/162	103.1/111.8					ZR4 TxOMA+2.5dBm		
FIM37000/163	103.1/111.8					ZR4 TxOMA+3.5dBm		
FIM39800/172 (*3)	106.25	L: 1308.09 to 1310.19	0 to 70			ER1	●	●
FIM39930/172	106.25	L: 1308.09 to 1310.19	-5 to 85			ER1-BiDi	●	●
FIM39940/172		L: 1303.54 to 1305.63						
FIM39730/172	106.25	L: 1304.5 to 1317.5	-5 to 85			LR1-BiDi	●	●
FIM39740/172		L: 1284.5 to 1297.5						

(*1) 80km w/ host card's RS(528, 514) FEC (*2) with KP1 FEC inside Module (*3) Under development

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LiNbO₃ Modulator

Part Number	Baud Rate (Gbaud)	Drive Method	Wavelength	Drive Voltage(V _m) (at RF) [V]	Alpha Parameter	RF Interface	Tc [°C]	Size (L x W x H) [mm]	DP-16QAM	DP-QPSK
FTM7992HM	64	Single - Ended	C-band	≤4.2 (at 64Gbps)	0	G3PO	-5 to 75	81.7 x 12.5 x 6.5	●	●
FTM7995HN	45		C-band	≤4.5 (at 45Gbps)		GPPO		90.5 x 13.5 x 7.0	●	●
FTM7979HKA (SFF type)	32		C-band	≤ 3.5 (at 32Gbps)		FPC		82.0 x 10.0 x 5.5	●	●
FTM7977HQA			L-band			GPPO		90.5 x 13.5 x 7.0	●	●

● 400G ● 300G ● 200G ● 150G ● 100G



Thin-Film LiNbO₃ Coherent Driver Modulator

Part Number	Baud Rate(Gbaud)	3dB Cut-off Freq. [GHz]	Wavelength	Power Consumption [W]	RF Interface	Tc [°C]	Size (L x W x H) [mm]	DP-16QAM	DP-QPSK
FTM8300JN	130	>65	C-band L-Band	6.5	FPC	-5 to 80	<30.0 x 12.0 x 4.5	●	●

● 800G ● 400G



Integrated Coherent Receiver

Part Number	Baud Rate(Gbaud)	3dB Cut-off Freq. [GHz]	Wavelength[nm]	Output Volt. Swing [mVp-p]	Power Consumption[W]	RF Interface	Tc [°C]	Size (L x W x H) [mm]	DP-16QAM	DP-QPSK
FIM24961 (VOA Integrated)	130	Typ. 70	C-Band	300 to 700	2.1 max	FPC	-5 to 85	24.6 x 12.0 x 4.5	●	●
FIM24942 (VOA Integrated)	96	Typ. 50		300 to 700	Typ. 1.7	SMT		23.0 x 12.0 x 5.5	●	●
FIM24902 (VOA Integrated)	64	Typ. 40		300 to 700	Typ. 1.4	SMT		23.0 x 12.0 x 5.5	●	●
FIM24725 (VOA Integrated)	32	Typ. 22		300 to 900	Typ. 1.4	SMT		23.0 x 12.0 x 5.5	●	●

● 800G ● 600G ● 400G ● 300G ● 200G ● 100G



■ All of Fujitsu's transceivers, modulators and receivers are RoHS10 compliant.

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