

Fujitsu Optical Components Line-up



Part Number	Data Rate [Gbps]	Wavelength [nm]	Max Power Consumption [W]	Tc [°C]	Size (L x W x H) [inches]	Distance [km]	Dispersion [ps/nm]	400Gbps - 600Gbps	200Gbps	100Gbps
OIF 168pin Coherent Transceiver										
FIM85200	127.156	Full C-band Tunable (50GHz spacing)	(*1)	0 to 70	5.0 x 4.0 x 0.59		±40ns/nm	●		
CFP DCO Transceiver										
FIM38000/101	111.810	Full C-band Tunable (50GHz spacing)	(*1)	0 to 70	5.71 x		±2ns/nm			
FIM38100/101	111.810		(*1)		3.03 x		±20ns/nm			
FIM38200/101	131.103		(*1)		0.55		±20ns/nm			
CFP2 DCO Transceiver										
FIM38750(*3)	400(*2)	Full C-band Tunable	(*1)	0 to 70	4.23 x 1.63 x 0.49	Metro Regional (*1)		●	●	●
CFP2 ACO Transceiver										
(Class1) FIM38500	127.156	Full C-band Tunable	12	0 to 70	4.23 x 1.63 x 0.49					
(Class2) FIM38550/110	(*2)									
QSFP56-DD / OSFP Transceiver										
FIM38800(*3)	478.75	Full C-band Tunable	(*1)	0 to 70	OSFP	120km		●		
FIM38900(*3)	478.75		(*1)	0 to 70	QSFP56-DD	120km		●		
Daughter Card Transceiver										
FIM86000/100(*3)	2 x 600	Full C-band Tunable	(*1)	0 to 70	5.71 x 5.55 x 1.14			●	●	●

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

Part Number	Baud Rate (Gbaud)	Drive Method	Wavelength [nm]	Drive Voltage (V _{DC}) (at RF) [V]	Alpha Parameter	RF Connector	Tc [°C]	Size (L x W x H) [inches]	DP-QAM	DP-QPSK
LiNbO₃ Modulator										
FTM7992HM	64	Single - Ended	C-band	≤4.2 (at 64Gbps)	0	G3PO	-5 to 75	3.22 x 0.49 x 0.26	●	●
FTM7990HKA (*1)	32		C-band	≤ 3.5 (at 32Gbps)		FPC		3.23 x 0.39 x 0.22	●	●
FTM7977HQA			L-band			GPP0		3.56 x 0.52 x 0.27	●	●

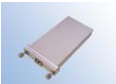




(*1) SFF type

● 400G ● 200G ● 100G

Part Number	Baud Rate (Gbaud)	3dB Cut-off Freq. [GHz]	Wavelength [nm]	Output Volt. Swing [mVp-p]	Power Consumption [W]	RF Connector	Tc [°C]	Size (L x W x H) [inches]	DP-QAM	DP-QPSK
Integrated Coherent Receiver										
FIM24902 (*1)	64	Typ. 40	1528 to 1567	300 to 700	Typ. 1.4	CPW	-5 to 85	0.91 x 0.47 x 0.22	●	●
FIM24725 (*1)	32	Typ. 22		300 to 900	Max. 1.7	CPW		0.91 x 0.47 x 0.22	●	●

(*1) VOA integrated type

● 400G ● 200G ● 100G

Part Number	Data Rate [Gbps]	Wavelength [nm]	Max Power Consumption [W]	Tc [°C]	Size (L x W x H) [inches]	Distance [km]	Dispersion [ps/nm]	400G Ethernet	100G OTN (OTU-4)	100G Ethernet	
100G CFP Transceiver											
FIM37102	103.1/ 111.8	L0: 1294.53 to 1296.59 L1: 1299.02 to 1301.09 L2: 1303.54 to 1305.63 L3: 1308.09 to 1310.19	15	-5 to 70	5.71 x 3.03 x 0.55	10					
FIM37202			16			40					
100G CFP2 Transceiver											
FIM37302	103.1/ 111.8	L0: 1294.53 to 1296.59 L1: 1299.02 to 1301.09 L2: 1303.54 to 1305.63 L3: 1308.09 to 1310.19	8	-5 to 70	4.23 x 1.63 x 0.49	10					
FIM37402			9			40					
100G QSFP28 Transceiver											
FIM37700	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	4	0 to 70	2.8 x 0.72 x 0.33	10					
FIM37701	103.1/ 111.8		4			10					
FIM37801	103.1/ 111.8		4.5			30/40 (*1)					
400G QSFP56-DD / OSFP Transceiver											
FIM39130(*2)	53.125(*3)	L0: 1264.5 to 1277.5 L1: 1284.5 to 1297.5 L2: 1304.5 to 1317.5 L3: 1324.5 to 1337.5	12	0 to 70	QSFP56-DD	2					
FIM39140(*2)						10					
FIM39131(*2)	53.125(*3)	L0: 1264.5 to 1277.5 L1: 1284.5 to 1297.5 L2: 1304.5 to 1317.5 L3: 1324.5 to 1337.5	12	0 to 70	OSFP	2					
FIM39141(*2)						10					

(*1) 30km interoperability w/ existing ER4 (w/o FEC)
40km w/ host card's RS(528, 514) FEC
(*2) Under development
(*3) Data rate per lane

■ All of Fujitsu's transceivers, modulators and receivers are RoHS6 compliant.

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