

Fujitsu Optical Components Line-up



Part Number	Data Rate [Gbps]	Wavelength [nm]	Max Power Consumption [W]	T _c [°C]	Size (L x W x H) [inches]	Distance [km]	Dispersion [ns/nm]	400Gbps - 600Gbps	200Gbps	100Gbps
100G 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			
100G 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			
100G/200G CFP2 DCO Transceiver										
FIM38710/101 (*3,4)	111.810	Full C-band Tunable	(*1)	0 to 70	4.23 x 1.63 x 0.49		±2ns/nm			
FIM38710/102 (*3)							±12ns/nm			
FIM38720/101 (*3,4)	(*2)						±25ns/nm			
FIM38720/102 (*3)							±40ns/nm			
100G/200G CFP2 ACO Transceiver										
(Class1) FIM38500	127.156	Full C-band Tunable	12	0 to 70	4.23 x 1.63 x 0.49		(*2)			
(Class2) FIM38550/110 (*4)	(*2)									
FIM38550/102 (*3)										
High Bandwidth CFP2 ACO Transceiver										
FIM38650 (*3)	(*2)	Full C-band Tunable	14	0 to 70	4.23 x 1.63 x 0.49		(*2)			

(*1) Available upon request (*2) Depends on modulation format (*3) Under development (*4) High Tx OSNR ver.

Part Number	Baud Rate (Cbaud)	Drive Method	Wavelength [nm]	Drive Voltage (V _π) (at RF) [V]	Alpha Parameter	RF Connector	T _c [°C]	Size (L x W x H) [inches]	DP-xQAM	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	T _c [°C]	Size (L x W x H) [inches]	DP-xQAM	DP-QPSK
Integrated Coherent Receiver										
FIM24901 (*1)	64	Typ. 40	1528 to 1567	300 to 700	Typ. 1.4	CPW	-5 to 85	0.98 x 0.47 x 0.22	●	●
FIM24721 (*1)	32	Typ. 22		300 to 900	Max. 1.7	CPW		0.98 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]	100G OTN (OTU-4)	100G Ethernet	50G Ethernet	10G OTN (OTU-2)	SONET OC-192	10G Ethernet	10x Fiber Channel
100G CFP Transceiver														
FIM37102	103.1/ 111.8	L0: 1294.53 to 1296.59	15	-5 to 70	5.71 x 3.03 x 0.55	10								
FIM37202		L1: 1299.02 to 1301.09												
100G CFP2 Transceiver														
FIM37302	103.1/ 111.8	L0: 1294.53 to 1296.59	8	-5 to 70	4.23 x 1.63 x 0.49	10								
FIM37402		L1: 1299.02 to 1301.09												
100G QSFP28 Transceiver														
FIM37700	103.1/ 111.8	L0: 1294.53 to 1296.59	4	0 to 70	2.8 x 0.72 x 0.33	10								
FIM37800		L1: 1299.02 to 1301.09												
QSFP28 DMT Transceiver														
FIM37910	103.1 (*2)	1310 (*3)	(*4)	0 to 70	2.8 x 0.72 x 0.33	10								
FIM37920	53.125 (*2)	1550 tunable DWDM	(*4)	0 to 70	2.8 x 0.72 x 0.33	20								
XFP Transceiver														
FIM31063/120Wxx	9.95 to 11.3	DWDM C-band (100GHz spacing)	3.5	-5 to 70	3.1 x 0.72 x 0.33	(0ps/nm ~ +1600ps/nm)								
FIM31053/110	9.95 to 11.3	1550	4.5	-40 to 85	3.1 x 0.72 x 0.33	80								
FIM31053/120			3.5	-5 to 70										
FIM31113/110		1550	3.5	-40 to 85										
FIM31113/120			3.1	-5 to 75										
SFP+ Transceiver														
FIM35061Wxx	9.95 to 11.1	DWDM C-band (100GHz spacing)	1.5	0 to 70	2.22 x 0.54 x 0.34	(-500ps/nm ~ +1600ps/nm)								
FIM35051	9.95 to 11.1	1550	1.5	0 to 70	2.22 x 0.54 x 0.34	80								
FIM35032/110			1.8	-40 to 85										

(*1) 30km interoperability w/ existing ER4 (w/o FEC)
40km w/ host card's RS(528, 514) FEC
(*2) Under consideration of additional bitrate
(*3) Under consideration of specific wavelength
(*4) Available upon request

● DWDM ● TDM

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

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