

# 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
<b>100G OIF 168pin Coherent Transceiver</b>										
FIM85200	127.156	Full C-band Tunable (50GHz spacing)	(*1)	0 to 70	5.0 x 4.0 x 0.59	±40,000ps/nm				
<b>100G CFP DCO Transceiver</b>										
FIM38000/100	111.810	Full C-band Tunable (50GHz spacing)	(*1)	0 to 70	5.71 x 3.03 x 0.55	±2,000ps/nm				
FIM38100/100			(*1)			±20,000ps/nm				
FIM38000/101 (*3)			(*4)			±2,000ps/nm				
FIM38100/101 (*3)			(*4)			±20,000ps/nm				
FIM38200/101 (*3)			(*4)			±20,000ps/nm				
<b>100G/200G CFP2 DCO Transceiver</b>										
FIM38710/101 (100G) (*3)	111.810	Full C-band Tunable	(*1)	0 to 70	4.23 x 1.63 x 0.49	±2,000ps/nm				
FIM38720/101 (200G) (*3)	(*2)					±12,000ps/nm	±25,000ps/nm	±40,000ps/nm		
<b>100G/200G CFP2 ACO Transceiver</b>										
FIM38500 (Class1)	127.156	Full C-band Tunable	12	0 to 70	4.23 x 1.63 x 0.49	(*2)				
FIM38550/110 (Class2)	(*2)						(*2)			
<b>High Bandwidth CFP2 ACO Transceiver</b>										
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) Available upon request, low-power version

Part Number	Baud Rate (Gbaud)	Drive Method	Wavelength [nm]	Drive Voltage (V <sub>π</sub> ) (at RF) [V]	Alpha Parameter	RF Connector	Tc [°C]	Size (L x W x H) [inches]	DP-QAM	DP-QPSK
<b>LiNbO<sub>3</sub> Modulator</b>										
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 L-band	≤3.5 (at 32Gbps)		FPC		3.23 x 0.39 x 0.22	●	●
FTM7977HQA			GPPO	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
<b>Integrated Coherent Receiver</b>										
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]	T <sub>c</sub> [°C]	Size (L x W x H) [inches]	Distance [km]	Dispersion [ps/nm]	100G OTN (OTU-4)	100G Ethernet	10G OTN (OTU-2)	SONET OC-192	10G Ethernet	10x Fiber Channel
<b>100G CFP Transceiver</b>													
FIM37102 (*1)	103.1/ 111.8	L0: 1294.53 to 1296.59	15	-5 to 70	5.71 x 3.03 x 0.55	10	40	●	●	●	●	●	●
FIM37202 (*1)		L1: 1299.02 to 1301.09 L2: 1303.54 to 1305.63 L3: 1308.09 to 1310.19	16										
<b>100G CFP2 Transceiver</b>													
FIM37301	103.1/ 111.8	L0: 1294.53 to 1296.59	8	-5 to 70	4.23 x 1.63 x 0.49	10	40	●	●	●	●	●	●
FIM37302 (*1)		L1: 1299.02 to 1301.09	9										
FIM37401		L2: 1303.54 to 1305.63											
FIM37402 (*1)		L3: 1308.09 to 1310.19											
<b>100G QSFP28 Transceiver</b>													
FIM37700	103.1/ 111.8	L0: 1294.53 to 1296.59	4	0 to 70	2.8 x 0.72 x 0.33	10	30/40 (*2)	●	●	●	●	●	●
FIM37800		L1: 1299.02 to 1301.09 L2: 1303.54 to 1305.63 L3: 1308.09 to 1310.19	5										
<b>XFP Transceiver</b>													
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)	80	●	●	●	●	●	●
FIM31053/110	9.95 to 11.3	1550	4.5	-40 to 85	3.1 x 0.72 x 0.33	80	40	●	●	●	●	●	●
FIM31053/120			3.5	-5 to 70									
FIM31113/110		1550	3.5	-40 to 85									
FIM31113/120			3.1	-5 to 75									
<b>SFP+ Transceiver</b>													
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)	80	●	●	●	●	●	●
FIM35051	9.95 to 11.1	1550	1.5	0 to 70	2.22 x 0.54 x 0.34	40	40	●	●	●	●	●	●
FIM35032/110			1.8	-40 to 85									

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

● DWDM ● TDM

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

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