

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	400Gbps - 600Gbps	200Gbps	100Gbps	
FIM38100/101	111.810		(*1)		3.03 x	±20ns/nm				
FIM38200/101	131.103		(*1)		0.55	±20ns/nm				
CFP2 DCO Transceiver										
FIM38710/101 (*3) FIM38710/102 (*3)	111.810	Full C-band Tunable	(*1)	0 to 70	4.23 x 1.63 x 0.49	±2ns/nm ±12ns/nm ±25ns/nm ±40ns/nm				
CFP2 ACO Transceiver										
(Class1) FIM38500	127.156	Full C-band Tunable	12	0 to 70	4.23 x 1.63 x 0.49	(*2)	400Gbps - 600Gbps	200Gbps	100Gbps	
(Class2) FIM38550/110	(*2)					(*2)				
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)				

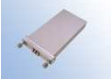



(*1) Available upon request (*2) Depends on modulation format (*3) Under development

Part Number	Baud Rate (Gbaud)	Drive Method	Wavelength [nm]	Drive Voltage (V _{rv}) (at RF) [V]	Alpha Parameter	RF Connector	Tc [°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	400G	200G	
FTM7990HKA (*1)	32		C-band	≤ 3.5 (at 32Gbps)		FPC		3.23 x 0.39 x 0.22	200G	100G	
FTM7977HQA			L-band			GPPO		3.56 x 0.52 x 0.27	200G	100G	

(*1) SFF type

Part Number	Baud Rate (Gbaud)	3dB Cut-off Freq. [GHz]	Wavelength [nm]	Output Volt. Swing [mV _{p-p}]	Power Consumption [W]	RF Connector	Tc [°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	400G	200G	
FIM24721 (*1)	32	Typ. 22		300 to 900	Max. 1.7	CPW		0.98 x 0.47 x 0.22	200G	100G	

(*1) VOA integrated type

Part Number	Data Rate [Gbps]	Wavelength [nm]	Max Power Consumption [W]	T _c [°C]	Size (L x W x H) [inches]	Distance [km] Dispersion [ps/nm]	100G OTN (OTU-4)	100G Ethernet	50G Ethernet		
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 L2: 1303.54 to 1305.63 L3: 1308.09 to 1310.19	16								40
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 L2: 1303.54 to 1305.63 L3: 1308.09 to 1310.19	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	111.8		4								10
FIM37800	103.1/ 111.8		5								30/40 (*1)
FIM37801			4.5								
QSFP28 DMT Transceiver											
FIM37910	103.1 (*2)	1260 to 1300 1λ	(*3)	-40 to 85	2.8 x 0.72 x 0.33	10	●	●			
FIM37920	53.125 (*2)	Full C-band tunable	(*3)	-40 to 85	2.8 x 0.72 x 0.33	20			●		

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

● DWDM ● TDM

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

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