

Fujitsu Optical Components Line-up



Part Number	Application											RoHS (Lead Free)	Data Rate [Gbps]	Wavelength [nm]	Distance [km]	Max Power Consumption [W]	Tc [°C]	Size (L x W x H) [inches]					
	DWDM			Single Wavelength																			
	SONET OC-192 LR-2	10GBASE-ZR	10x Fiber Channel	SONET OC-192 LR-2	SONET OC-192 IR-2	SONET OC-192 SR-1	10GBASE-ZR	10GBASE-ER	10GBASE-LR	100GBASE-LR4/OTU-4	100GBASE-ER4/OTU-4								10x Fiber Channel	G-PON OLT			
100GE CFP Transceiver																							
FIM37100																		103.1/111.8	L0: 1294.53 to 1296.59 L1: 1299.02 to 1301.09	10	24	0 to 70	5.71 x 3.03 x 0.53
FIM37200																		103.1/111.8	L2: 1303.54 to 1305.63 L3: 1308.09 to 1310.19	40	28	0 to 70	5.71 x 3.03 x 0.53
300pin 10Gb/s Transponder																							
FIM83115S (*1)	●	●	●															9.95 to 11.3	1528.773 to 1563.455 (50GHz spacing) Full-band Tunable	- (chirp -0.7)	9	-5 to 70	4.5 x 3.5 x 0.45
FIM83115L (*1)	●	●	●															9.95 to 11.3		- (chirp 0)	9	-5 to 70	4.5 x 3.5 x 0.45
FIM83113S (*1)	●	●	●															9.95 to 11.3	1528.77 to 1563.45 (50GHz spacing) Full-band tunable	- (chirp -0.7)	9	-5 to 70	4.5 x 3.5 x 0.45
FIM83113L (*1)	●	●	●															9.95 to 11.3		- (chirp 0)	9	-5 to 70	4.5 x 3.5 x 0.45
XFP Transceiver																							
FIM31072/121	●	●	●															9.95 to 11.3	1528.77 to 1563.45 (50GHz spacing) Full-band tunable	-100ps/nm ~ +1600ps/nm	3.5	-5 to 70	3.1 x 0.72 x 0.33
FIM31072/122	●	●	●															9.95 to 11.3		-800ps/nm ~ +800ps/nm	3.5	-5 to 70	3.1 x 0.72 x 0.33
FIM31062Wxx	●	●	●															9.95 to 11.3	1528.77 to 1561.42 (100GHz spacing)	80	3.5	-5 to 70	3.1 x 0.72 x 0.33
FIM31062/120Wxx (*2)	●	●	●															9.95 to 11.3		80	4.5	-5 to 85	
FIM31062/130Wxx (*2)	●	●	●															9.95 to 11.3		80	3.5	-5 to 70	3.1 x 0.72 x 0.33
FIM31052/110				●			●											9.95 to 11.3	1530 to 1565	80	4.5	-40 to 85	3.1 x 0.72 x 0.33
FIM31052/120				●			●											9.95 to 11.3	1530 to 1565	40	3.5	-5 to 70	3.1 x 0.72 x 0.33
FIM31112/110				●			●											9.95 to 11.3	1530 to 1565	40	3.5	-40 to 85	3.1 x 0.72 x 0.33
FIM31112/120				●			●											9.95 to 11.3	1530 to 1565	40	3.1	-5 to 75	3.1 x 0.72 x 0.33
FIM31122							●			●								9.95 to 11.3	1260 to 1355	2 (SR-1) 10 (LR)	2.0	-5 to 85	3.1 x 0.72 x 0.33
X2 Transceiver																							
FIM81560Wxx		●																10.313	1528.77 to 1561.42 (100GHz spacing)	80	4.0	0 to 70	3.04 x 1.42 x 0.53
FIM81550							●											10.313	1530 to 1565	80	4.0	0 to 70	3.04 x 1.42 x 0.53
XENPAK Transceiver																							
FIM82010Wxx		●																10.313	1528.77 to 1561.42 (100GHz spacing)	80	8.5	0 to 70	4.76 x 1.42 x 0.69
FIM82020							●											10.313	1530 to 1565	80	8.5	0 to 70	4.76 x 1.42 x 0.69
SFP+ Transceiver																							
FIM35060Wxx (*3)	●	●																9.95 to 10.3	1528.77 to 1561.42 (100GHz spacing)	80	1.66	0 to 70	2.22 x 0.54 x 0.34
FIM35050 (*3)				●			●											9.95 to 10.3	1530 to 1565	80	1.66	0 to 70	2.22 x 0.54 x 0.34
PON Transceiver																							
FIM30538																		Up: 1.25 Down: 2.5	Up: 1260 to 1360 Down: 1480 to 1500	Class B+	1.65	-40 to 85	2.52 x 0.54 x 0.49
FIM30536																	Class C						
FIM30537																	Class C+						

(*1) S: SC-Connector, L: LC-Connector (*2) Including OSNR spec. (*3) Under development, Target specification



100GE CFP



300pin



XFP



X2



ZENPAK



SFP+



G-PON

LiNbO₃ External Modulator

Part Number	Application											RoHS (Lead Free)	Drive Method	Wavelength [nm]	Drive Voltage (V π) (at RF) [V]	Alpha Parameter	RF Connector	Tc [°C]	Size (L x W x H) [inches]
	100G			40G						10G									
	DP-QPSK	CS-RZ Pulse Carver	RZ Pulse Carver	NRZ	ODB	DPSK	DQPSK	DP-BPSK	DP-QPSK	Pulse carver	NRZ								
FTM7977HQA	● (BA *1)											●	Single	1530 to 1610	≤ 3.5 (at 32Gbps)	0	4 x GPPO	-5 to 75	3.56 x 0.52 x 0.27
FTM7978HQ	● (BI *2)											●	Single	1530 to 1610	≤ 5.0 (at 16GHz)	0	GPO	-5 to 75	2.56 x 0.45 x 0.19
FTM7927FBA		●										●	Single	1530 to 1610	≤ 6.0 (at 32GHz)	0	GPPO	-5 to 75	2.52 x 0.39 x 0.27
FTM7936EKA			●									●	Single	1530 to 1610	≤ 1.8 (Dual Drive) ≤ 3.5 (Single Drive)	0 (Dual) +/-1.0 (Single)	2 x GPPO	-5 to 75	3.54 x 0.52 x 0.37
FTM7937EZ				●	●	●						●	Dual / Single	1530 to 1610	≤ 3.5	0	GPPO	-5 to 75	3.54 x 0.52 x 0.37
FTM7938EZ				●	●	●						●	Single	1530 to 1610	≤ 3.5	0	GPPO	-5 to 75	2.52 x 0.39 x 0.27
FTM7939EK				●	●	●						●	Single	1530 to 1610	≤ 3.5	0	GPPO	-5 to 75	3.54 x 0.52 x 0.37
FTM7938EE				●								●	Single	1530 to 1610	≤ 2.0 (at 22Gbps)	0 (Dual)	4 x GPPO	-5 to 75	3.13 x 0.53 x 0.28
FTM7960EX								●				●	Single	1530 to 1610	≤ 3.5 (at 22Gbps)	0	2 x GPPO	-5 to 75	3.27 x 0.53 x 0.28
FTM7961EX								●				●	Single	1530 to 1610	≤ 3.5 (at 22Gbps)	0	2 x GPPO	-5 to 75	3.25 x 0.52 x 0.27
FTM7962EP								●				●	Single	1530 to 1610	≤ 4.0 (at 10.75Gbps)	0	4 x GPPO	-5 to 75	2.56 x 0.45 x 0.19
FTM7980EDA									●			●	Dual	1530 to 1610	≤ 8.0 (at 22GHz)	0	GPO	-5 to 75	1.65 x 0.33 x 0.19
FTM7967EQA										●		●	Single	1530 to 1610	≤ 8.0 (at 22GHz)	0	GPO	-5 to 75	2.36 x 0.45 x 0.19
FTM7920FBA											●	●	Single	1530 to 1610	≤ 3.0 (at 12.5Gbps)	0	GPO	-5 to 75	2.56 x 0.45 x 0.19
FTM7920FSA											●	●	Single	1530 to 1610	≤ 3.0 (at 12.5Gbps)	+/- 0.7	GPO	-5 to 75	2.56 x 0.45 x 0.19
FTM7920FCA											●	●	Single	1530 to 1610	≤ 5.0 (at 12.5Gbps)	0	GPO	-5 to 75	1.65 x 0.33 x 0.19
FTM7929FB											●	●	Single	1530 to 1610	≤ 5.0 (at 12.5Gbps)	+/- 0.7	GPO	-5 to 75	1.65 x 0.33 x 0.19
FTM7928FB											●	●	Single	1530 to 1610	≤ 5.0 (at 12.5Gbps)	+/- 0.7	GPO	-5 to 75	1.65 x 0.33 x 0.19
FTM7910FS											●	●	Single	1530 to 1610	≤ 5.0 (at 12.5Gbps)	+/- 0.7	GPO	-5 to 75	1.65 x 0.33 x 0.19
FTM7911FS											●	●	Single	1530 to 1610	≤ 5.0 (at 12.5Gbps)	+/- 0.7	GPO	-5 to 75	1.65 x 0.33 x 0.19

(*1) Bit Align Type (*2) Bit Interleave Type

Integrated Receiver Module

Part Number	Application				RoHS (Lead Free)	3dB Cut-off Frequency [GHz]	Wavelength [nm]	Output Voltage Swing [mVp-p]	Power Consumption [W]	FSR	RF Connector	Tc [°C]	Size (L x W x H) [inches]
	100G	40G											
	DP-QPSK	DPSK	DQPSK	DP-BPSK									
FIM24704	●			●	●	Typ. 22	1528 to 1567	300 to 900	Typ. 1.0	-	CPW	-5 to 80	1.97 x 1.06 x 0.31
FIM24101		●			●	Typ. 38	1528 to 1565	Typ. 600	Max. 0.6	50	GPPO	-5 to 75	1.81 x 1.81 x 0.33
FIM24102		●			●					67			
FIM24201			●		●	Typ. 20	1528 to 1565	Typ. 400	Max. 3.5	22.8	Lead pin	-5 to 75	1.77 x 1.06 x 0.31
FIM24202			●		●						FPC		

Variable Chromatic Dispersion Emulator using Virtually Imaged Phased Array (VIPA)

Part Number	Application	Tunable Range [ps/nm]	Tc [°C]	Size (L x W x H) [inches]
FIM70310	100GHz grid spacing	C-Band	15 to 35	15.8 x 10.3 x 4.3
FIM70311		L-Band		
FIM70340	200GHz grid spacing	C-band, ITU-T 100GHz Odd	15 to 35	
FIM70341		C-band, ITU-T 100GHz Even		
FIM70342		L-band, ITU-T 100GHz Odd		
FIM70343		L-band, ITU-T 100GHz Even		



100G LN



40G LN



10G LN



100G IRx



40G IRx



VIPA Emulator