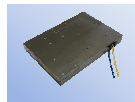
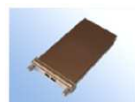


Fujitsu Optical Components Line-up



Part Number	Data Rate [Gbps]	Wavelength [nm]	Max Power Consumption [W]	Tc [°C]	Size (L x W x H) [inches]	Distance [Km]	100G OTN (OTU-4)	100G Ethernet	10G OTN (OTU-2)	SONET OC-192	10G Ethernet	10x Fiber Channel
100G Coherent Transceiver												
FIM85100	127.156	Full C-band Tunable (50GHz spacing)	80 (*1)	0 to 70	7.0 x 5.0 x 0.67	- (*1) (-40000ps/nm ~ +40000ps/nm)	●					
100G CFP Transceiver												
FIM37100	103.1/111.8	L0: 1294.53 to 1296.59 L1: 1299.02 to 1301.09	24	0 to 70	5.71 x 3.03 x 0.55	10	●	●				
FIM37200		L2: 1303.54 to 1305.63 L3: 1308.09 to 1310.19	28					●				
100G CFP2 Transceiver												
FIM37300 (*2)	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	12	-5 to 70	4.23 x 1.63 x 0.49	10	●	●				
300pin 10G Transceiver												
FIM83115S (*3)	9.95 to 11.3	Full C-band Tunable (50GHz spacing)	9	-5 to 70	4.5 x 3.5 x 0.45	- (chirp -0.7)		●	●	●	●	
FIM83115L (*3)												
FIM83113S (*3)												
FIM83113L (*3)												
XFP Transceiver												
FIM31072/121	9.95 to 11.3	Full C-band Tunable (50GHz spacing)	3.5	-5 to 70	3.1 x 0.72 x 0.33	(-100ps/nm ~ +1600ps/nm)						
FIM31072/124						(-100ps/nm ~ +1450ps/nm)						
FIM31072/122						(-800ps/nm ~ +800ps/nm)	●	●	●	●		
FIM31062Wxx												
FIM31062/120Wxx (*4)		DWDM C-band (100GHz spacing)	3.5	-5 to 70	80							
FIM31062/130Wxx (*4)			4.5	-5 to 85								
FIM31052/110	9.95 to 11.3	1550	4.5	-40 to 85	3.1 x 0.72 x 0.33	80						
FIM31052/120			3.5	-5 to 70								
FIM31112/110		1550	3.5	-40 to 85		40	●	●	●	●		
FIM31112/120			3.1	-5 to 75								
FIM31122		1310	2.0	-5 to 85		2 (SR-1) 10 (LR)						
FIM31122/110				-40 to 85								
X2 Transceiver												
FIM81560Wxx	10.313	DWDM C-band (100GHz spacing)	4.0	0 to 70	3.04 x 1.42 x 0.53	80			●			
FIM81550	10.313	1550	4.0	0 to 70	3.04 x 1.42 x 0.53	80			●			
XENPAK Transceiver												
FIM82010Wxx	10.313	DWDM C-band (100GHz spacing)	8.5	0 to 70	4.76 x 1.42 x 0.69	80			●			
FIM82020	10.313	1550	8.5	0 to 70	4.76 x 1.42 x 0.69	80			●			
SFP+ Transceiver												
FIM35060Wxx	9.95 to 11.1	DWDM C-band (100GHz spacing)	1.5	0 to 70	2.22 x 0.54 x 0.34	80	●	●	●	●		
FIM35050	9.95 to 11.1	1550	1.5	0 to 70	2.22 x 0.54 x 0.34	80	●	●	●	●		

(*1) Target specification (*2) Under development, Target specification (*3) S: SC-Connector, L: LC-Connector (*4) Including OSNR spec.

● DWDM ● Single Wavelength

Part Number	Drive Method	Wavelength [nm]	Drive Voltage (V _π) [V]	Alpha Parameter	RF Connector	T _c [°C]	Size (L x W x H) [inches]	NRZ	ODB	DPSK	DQPSK	DP-BPSK	DP-QPSK	Pulse Carver
LiNbO₃ External Modulator														
FTM7977HQA	Single	C-band L-band	≤ 3.5 (at 32Gbps)	0	4 x GPPO	-5 to 75	3.56 x 0.52 x 0.27							
FTM7978HQ														
FTM7927FBA			≤ 5.0 (at 16GHz)		GPO		2.56 x 0.45 x 0.19							
FTM7936EKA			≤ 6.0 (at 32GHz)		GPPO		2.52 x 0.39 x 0.27							
FTM7937EZ	Dual / Single	C-band L-band	≤ 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							
FTM7938EZ	Single		≤ 3.5	0	GPPO		3.54 x 0.52 x 0.37							
FTM7939EK	Single		≤ 3.5	0	GPPO		2.52 x 0.39 x 0.27							
NEW FTM7962EP	Single	C-band L-band	≤ 3.5 (at 22Gbps)	0	2 x GPPO	-5 to 75	3.27 x 0.53 x 0.28							
FTM7980EDA	Dual	C-band L-band	≤ 3.5 (at 21.5Gbps)	0	4 x GPPO	-5 to 75	3.25 x 0.52 x 0.27							
FTM7967EQA	Single	C-band L-band	≤ 4.0 (at 10.75Gbps)	0	4 x GPPO	-5 to 75	3.25 x 0.52 x 0.27							
FTM7920FSA	Single	C-band	≤ 8.0 (at 22GHz)	0	GPO	-5 to 75	1.65 x 0.33 x 0.19							
NEW FTM7920FCA							2.36 x 0.45 x 0.19							
FTM7910FS	Single	C-band L-band	≤ 5.0 (at 12.5Gbps)	0	GPO	-5 to 75	1.65 x 0.33 x 0.19							
FTM7911FS				+/- 0.7										

* FTM7977HQA: Bit Align Type, * FTM7978HQ: Bit Interleave Type

● 100G ● 40G ● 10G

Part Number	3dB Cut-off Freq. [GHz]	Wavelength [nm]	Output Volt. Swing [mVp-p]	Power Consumption [W]	FSR [GHz]	RF Connector	T _c [°C]	Size (L x W x H) [inches]	100G DP-QPSK	40G DP-BPSK
Integrated Receiver Module										
FIM24704	Typ. 22	1528 to 1567	300 to 900	Typ. 1.0	-	CPW	-5 to 80	1.97 x 1.06 x 0.28		
FIM24706 (*1)								1.57 x 1.02 x 0.28		

(*1) Under development

● 100G ● 40G

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

Part Number	Grid Spacing	Tunable Range [ps/nm]	T _c [°C]	Size (L x W x H) [inches]	C-band	L-band
Variable Chromatic Dispersion Emulator using Virtually Imaged Phased Array (VIPA)						
FIM70310	100GHz spacing	+/-1800	15 to 35	15.8 x 10.3 x 4.3		
FIM70311						

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