

Fujitsu Optical Components Line-up



Part Number	Maximum Data Rate [Gbps]	Wavelength [nm]	Max Power Consumption [W]	Tc [°C]	Size (L x W x H) [mm]	Distance [km]		
CFP2 ACO Transceiver								
(Class2) FIM38550/110	200(*2)	Full C-band Tunable	12	0 to 70	107.5 x 41.5 x 12.4	(*2)		
CFP2 DCO Transceiver								
FIM38750(*3)	400(*2)	Full C-band Tunable	(*1)	-5 to 70	107.5 x 41.5 x 12.4	Metro	400km(*2)	
FIM38760(*3)	200(*2)		(*1)				2500km(*2)	
OSFP DCO Transceiver								
FIM38800(*3)	400	Full C-band Tunable	(*1)	0 to 75	100.4 x 22.6 x 13.0	ZR	120km	
FIM38850(*3)	400(*2)		(*1)			OpenZR+ MSA	400km(*2)	
QSFP56-DD DCO Transceiver								
FIM38900(*3)	400	Full C-band Tunable	(*1)	0 to 75	93.3 x 18.4 x 8.5	ZR	120km	
FIM38950(*3)	400(*2)		(*1)			OpenZR+ MSA	400km(*2)	

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

Part Number	Data Rate [Gbps]	Wavelength [nm]	Max Power Consumption [W]	Tc [°C]	Size (L x W x H) [mm]	Distance [km]		
100G QSFP28 Transceiver								
FIM37801/112	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	4.8	0 to 70	71.1 x 18.3 x 8.4	ER4L	40 (*2)	
FIM37801/162	103.1/111.8		4.7				40/30 (*3)	
FIM37801/172	103.1		4.7				40/30 (*1)	
FIM37811/112	103.1		5	-40 to 85		4WDM40 MSA	40 (*2)	
FIM37000/172 (*4)	103.1		5.5	0 to 70		ZR4	80 (*5)	

(*1) 30km interoperability w/ existing ER4 (w/o FEC)
40km w/ host card's RS(528, 514) FEC
 (*2) 40km w/ host card's RS(528, 514) FEC
 (*3) 103.1Gbps : 30km interoperability w/ existing ER4 (w/o FEC)
 40km w/ host card's RS(528, 514) FEC
 111.8Gbps : 30km w/ host card's RS(528, 514) FEC
 (*4) Under development
 (*5) 80km w/ host card's RS(528, 514) FEC

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LiNbO₃ Modulator

Part Number	Baud Rate (Gbaud)	Drive Method	Wavelength [nm]	Drive Voltage (V _π) (at RF) [V]	Alpha Parameter	RF Connector	Tc [°C]	Size [L x W x H] [mm]	DP-16QAM	DP-QPSK
FTM7992HM	64	Single - Ended	C-band	≤4.2 (at 64Gbps)	0	G3PO	-5 to 75	81.7 x 12.5 x 6.5	●	●
FTM7995HN	45		C-band	≤4.5 (at 45Gbps)		GPP0		90.5 x 13.5 x 7.0	●	●
FTM7979HKA (SFF type)	32		C-band	≤3.5 (at 32Gbps)		FPC		82.0 x 10.0 x 5.5	●	●
FTM7977HQA			L-band			GPP0		90.5 x 13.5 x 7.0	●	●

● 400G ● 300G ● 200G ● 150G ● 100G

Integrated Coherent Receiver

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] [mm]	DP-16QAM	DP-QPSK
FIM24941 (VOA Integrated)	96	>50	1528 to 1567	TBD	TBD	CPW	-5 to 85	27.0 x 12.0 x 5.5	●	●
FIM24902 (VOA Integrated)	64	Typ. 40		300 to 700	Typ. 1.4	CPW		23.0 x 12.0 x 5.5	●	●
FIM24725 (VOA Integrated)	32	Typ. 22		300 to 900	Typ. 1.4	CPW		23.0 x 12.0 x 5.5	●	●

● 600G ● 400G ● 300G ● 200G ● 100G

■ All of Fujitsu's transceivers, modulators and receivers are RoHS10 compliant.

Fujitsu Optical Components America, Inc
 1280 East Arques Ave,
 Sunnyvale, CA 94085-4701, USA
 Phone: +1 408-746-6000

Fujitsu Optical Components Italy S.p.A.
 Viale Monza 259, 20126 Milano, Italy
 Phone: +39 02 26294 283

Fujitsu Optical Components Hong Kong Ltd.
 Unit 2, 33F, Tower 2, Enterprise Square 5, 38 Wang
 Chiu Road, Kowloon Bay, Hong Kong
 Phone: +852-2828-2898

Fujitsu Optical Components Limited

4-1-1 Kamikodanaka, Nakahara-ku
 Kawasaki-shi, Kanagawa, Japan 211-8588
 Phone: +81-44-754-3757

Web: <http://www.fujitsu.com/jp/group/foc/>