

Fujitsu Optical Components Line-up



LiNbO₃ Modulator

Part Number	Baud Rate (Gbaud)	Drive Method	Wavelength	Drive Voltage (V _π) (at RF) [V]	Alpha Parameter	RF Interface	Tc [°C]	Size (L x W x H) [mm]
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)		GPPO		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			GPPO		90.5 x 13.5 x 7.0

● 400G ● 300G ● 200G ● 150G ● 100G



Thin-Film LiNbO₃ Coherent Driver Modulator

Part Number	Baud Rate (Gbaud)	3dB Cut-off Freq. [GHz]	Wavelength	Power Consumption [W]	RF Interface	Tc [°C]	Size (L x W x H) [mm]
FTM8300JN	130	>65	C-Band L-Band	6.5	FPC	-5 to 80	<30.0 x 12.0 x 4.5

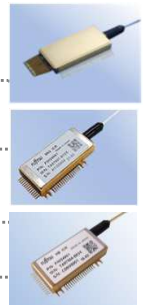
● 800G ● 400G



Integrated Coherent Receiver

Part Number	Baud Rate (Gbaud)	3dB Cut-off Freq. [GHz]	Wavelength [nm]	Output Volt. Swing [mVp-p]	Power Consumption [W]	RF Interface	Tc [°C]	Size (L x W x H) [mm]
FIM24961 (VOA Integrated)	130	Typ. 70	C-Band	300 to 700	2.1 max	FPC	-5 to 85	24.6 x 12.0 x 4.5
FIM24942 (VOA Integrated)	96	Typ. 50		300 to 700	Typ. 1.7	SMT		23.0 x 12.0 x 5.5
FIM24902 (VOA Integrated)	64	Typ. 40		300 to 700	Typ. 1.4	SMT		23.0 x 12.0 x 5.5
FIM24725 (VOA Integrated)	32	Typ. 22		300 to 900	Typ. 1.4	SMT		23.0 x 12.0 x 5.5

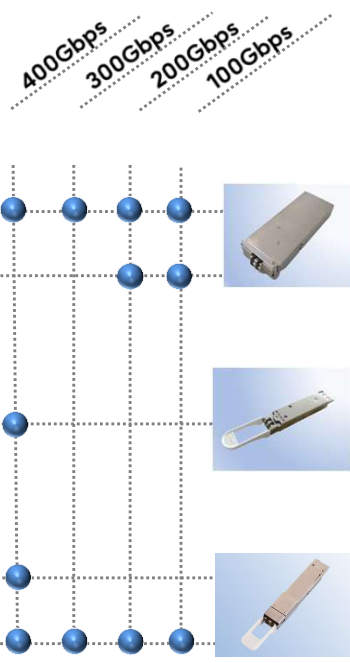
● 800G ● 600G ● 400G ● 300G ● 200G ● 100G



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



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

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

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