

標準製品仕様表

Functionality	type	sub type	Source	Input (nm)	Output (nm)	QPM period (um)	AR coating	Length (mm)	crosssection (mm ²)	Applications
SHG	SHVIS	SA	Diode	976	488	5.28	S1/S2 @488(R<0.5%) /976(R<0.3%) nm	10/25/50	2.0x0.5	Holography/Life science
		SB	Nd3+ Family	1064	532	6.92	S1/S2 @532(R<0.5%) /1064(R<0.3%) nm	10/25/50	2.0x0.5	Medical/Display/Life science/Surgery/Holography
		SC	Diode/Yb3+ fiber	1122	561	8.15	S1/S2 @561(R<0.5%) /1122(R<0.3%) nm	10/25/50	2.0x0.5	Lifescience/Microscopy
	SHVIS	MA	Diode laser	970~994	485-497	5.17, 5.20, 5.23, 5.26, 5.29, 5.32	S1/S2 @485~590(R<0.5%) /970-1180(R<0.5%) nm	10/25/50	7.9x0.5	Holography/Microscopy/Life science/Display/Medical
		MB	Yb3+ fiber family	1020-1040	510-520	6.13, 6.16, 6.19, 6.23, 6.26, 6.29		10/25/50		
		MC		1040-1070	520-535	6.45, 6.51, 6.57, 6.63, 6.69, 6.75		10/25/50		
		MD		1060-1085	529-542	6.83, 6.86, 6.90, 6.93, 6.96, 7.00		10/25/50		
		ME	Extend Yb3+ /Raman amplifier	1120-1150	560-575	8.15, 8.25, 8.35, 8.45, 8.55, 8.65		10/25/50		
		MF		1150-1180	575-590	8.90, 9.01, 9.12, 9.23, 9.34, 9.45		10/25/50		
	SHNIR	SA	Telecom/Er3+ fiber family	1550	775	19.36	S1/S2 @775(R<0.5%) /1550(R<0.3%) nm	10/25/50	2.0x1.0	Quantum Communication/ Spectroscopy/ Metrology
		MA	Telecom/Er3+ fiber family	1520~1620	760~810	18.20,18.50, 18.80, 19.10, 19.40, 19.70, 20.00, 20.30, 20.60, 20.90	S1/S2 @750-810(R<0.5%) /1500-1620(R<0.5%) nm	10/25/50	12.3x1.0	Atom cooling/3D micro-fabrication/Microscopy/THz Generation
		MB	Tm+/Ho+ fiber family	1925~2300	962.5~1150	28.40, 29.00, 29.60, 30.20, 30.80, 31.40, 32.00, 32.60,	S1/S2 @960-1150(R<0.5%) /1925-2300(R<0.5%) nm	10/25/50	12.3x1.0	Metrology

						33.20, 33.60				
SFG	SFVIS	MA	Ti:Sapphire + Telecom	775~845/1550	516~544	6.90, 7.10, 7.30, 7.50, 7.70, 8.10	S1/S2@470~550/720~850 /1480~1590 (R<0.5%) nm	10/25/50	7.9x0.5	Holography/Microscopy/Life science/Display/Medical
		MB	Telecom+Yb3+	1520-1620/1064	625-642	11.25, 11.49, 11.73, 11.97, 12.21, 12.45	S1/S2@625~642/1020~1080 /1520~1620 (R<0.5%) nm	10/25/50	7.9x1.0	Visible communication/Atom cooling and trapping/Display
DFG	DFMIR	MA	Ti:Sapphire + Yb3+	735~786/1064	2377~3008	18.20,18.50, 18.80, 19.10, 19.40, 19.70, 20.00, 20.30, 20.60, 20.90	S1/S2 @ 730-870(R<0.5%)/ 1064(R<0.5%) / 2300- 4800(R<5%) nm	10/25/50	12.3x1.0	Gas sensing/Free space communication/Microscopy/IR imaging
		MB		775~870/1064	2853~4771	20.60, 20.90, 21.20, 21.50, 21.80, 22.10, 22.40, 22.70, 23.00, 23.30		10/25/50		
OPO	OPMIR	SA	Yb3+ pump	1064	1395~1415/4300~4500	27.50	S1/S2 @1030~1080 (R<1.0%) /1380~1800 (R<1.0%) /1800~4500(R<5%) nm	10/25/50	2.0x2.0	Gas sensing/Free space communication/Microscopy/IR imaging/high power mIR generation/LIDAR
		SB			1450~1485/3750~4000	29.00			3.0x3.0	
		SC			1600~1850/2500~3100	31.30			3.0x3.0	
		SD			1950~2128/2128~2400	32.25			3.0x3.0	
	OPMIR	MA	1400~2128/2128~4433	27.58,27.91, 28.28, 28.67, 29.08, 29.52, 29.98, 30.49, 31.02, 31.59	10/25/50	12.3x1.0	Gas sensing/Free space communication/Microscopy/IR imaging			

Ordering information:

Product descriptions: PPLN

Part number: PPLN - **XXXXXX** - **YY** - **Z**,

XXXXXX = type

YY = sub type, M/S holds for Multiple/Single channel chip

Z = length

Order example: **FSHNIR - MA- 0.5** is the multiple channel PPLN chip for 1560nm doubling to 780nm in femto serie.