

Degenerate source with orthogonal polarization signal and idler (with Type-2 BBO):

SPECIFICATIONS	
Operating (central) Wavelengths for Signal-Idler	810 ± 5 nm
Maximum Pair Rate	>20 Mcps
Cauchy Parameter ¹	>10
Pump Laser Typical Power	150 mW (40-170 mW)
Pump Laser Linewidth	~1 nm
Laser Current Driver	Included (<300 mA)
Maximum Power Consumption	1 W
Heater	NO
Physical Dimensions of the Box	54.0 mm x 50.0 mm x 33.0 mm
Area of the PCB	50.9 mm x 47.0 mm
Current modulation option	YES
Maximum External Current Modulation Frequency	20 MHz
Storage Temperature	0 °C – 50 °C
Operating Temperature	20 ± 5 °C
Interface	USB2.0
SPDC output	Free-Space
Signal-Idler Polarizations for Type-1	O-E
BBO cut angle for 405 nm pump and 810 degenerate signal-idler	42.73° (for Type-2 SPDC)
Coherence Time of Signal-Idler	~100 fs