

SPECIFICATIONS (BBO type-1)

| Description | Condition | Min. | Typical | Max. | Unit |
|--|-----------|------|-----------------------|------------|------|
| Operating (central) Wavelengths for Signal-Idler | Tunable | | 548 ± 5 - 1550 ± 5 | | nm |
| Pair Rate | | 5 | | | M |
| Pump Laser Typical Power | | | 35 | | mW |
| Pump Laser Linewidth | | | 1 | | nm |
| Laser Current Driver | | | Included | | - |
| Physical Dimensions of the Box | | | | 160x120x50 | mm |
| Storage Temperature | | | 10 - 40 | | °C |
| Operating Temperature | | | 20 ± 5 | | °C |
| Interface | | | USB | | - |
| SPDC output | | | Free Space / Fiber | | - |
| Coherence Time of Signal-Idler | | | ~100 | | fs |

LT-8

| Description | Condition | Min. | Typical | Max. | Unit |
|--------------------------------|-----------------------|------|-------------------------|------------|-----------|
| Nonlinear Crystal Type | Type - 0 | | ppKTP | | |
| Wavelengths for Signal-Idler | Customizable | | $780 \pm 5 - 842 \pm 5$ | | nm |
| Pair Rate | Free-space (Fiber) | | 20 (1) | | Mcounts/s |
| Pump Laser Typical Power | | | 35 | | mW |
| Pump Laser Linewidth | | | 1 | | nm |
| Laser Current Driver | | | Included | | - |
| Physical Dimensions of the Box | | | | 100x100x50 | mm |
| Storage Temperature | | | 10 – 40 | | °C |
| Operating Temperature | | | 20 ± 5 | | °C |
| Control Interface | | | USB | | - |
| SPDC output | | | Free Space / Fiber | | - |
| Photon Bandwidth | Customizable | | 2.5 | | nm |
| Oven | | | Included | | - |
| Temperature Stability | | | 0.1 | | °C |

SR-4

| Description | Condition | Min. | Typical | Max. | Unit |
|--------------------------------|-----------------------|------|-------------------------|------------|-----------|
| Nonlinear Crystal Type | Type - 1 | | BBO | | |
| Wavelengths for Signal-Idler | Customizable | | $780 \pm 5 - 842 \pm 5$ | | nm |
| Pair Rate | Free-space (Fiber) | | 20 (1) | | Mcounts/s |
| Pump Laser Typical Power | | | 35 | | mW |
| Pump Laser Linewidth | | | 1 | | nm |
| Laser Current Driver | | | Included | | - |
| Physical Dimensions of the Box | | | | 100x100x50 | mm |
| Storage Temperature | | | 10 – 40 | | °C |
| Operating Temperature | | | 20 ± 5 | | °C |
| Control Interface | | | USB | | - |
| SPDC output | | | Free Space / Fiber | | - |
| Photon Bandwidth | Customizable | | 10 | | nm |