

Fiber Coupled PPLN Waveguide Device

◆ Product introduction

The fiber-coupled PPLN waveguide device selected by CSRayzer is a frequency conversion device, which adopts periodically polarized waveguide PPLN and a compact and reliable fiber-coupled package design. Compared with PPLN crystal, PPLN with waveguide structure has higher wavelength conversion efficiency, and can withstand higher power by adopting special high-power packaging technology. It can provide optical fiber input and output or optical fiber input and free space output, and the output power is up to watt level.



◆ Parameter index

Parameter	unit	Value
Input Center Wavelength	nm	1560
Output wavelength	nm	780
Pump Input Fiber Type		PM1550
Output Fiber Type		PM780HP
Pump Input Power @1560nm	W	5
Output Power @780nm	W	2
Polarization Extinction Ratio	dB	≥18
Electrical Interface		4Pin
TEC		Max. 4.2V, 1.6A
NTC Impedance @25°C	kΩ	10
Working Temperature	°C	-20 to 70
Storage Temperature	°C	15 to 30