

Data sheet:

**Compact PM Femtosecond mode-locked fiber laser engine
CNT-1550-E-PM series**

The CNT-1550-E-PM compact femtosecond fiber laser is an all-PM mode-locked oscillator using fiber taper embedded in carbon nanotube saturable absorber (FTCNT SA). User needs to provide a 980 nm pump laser to operate the laser.

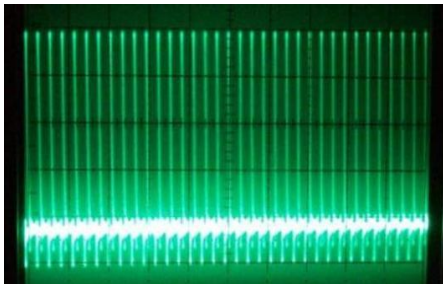
High quality PM components are used to make the laser highly stable and robust.

Key features:

- ✓ Very compact size
- ✓ Low cost
- ✓ Typical pulse duration: <500fs
- ✓ PER > 15dB

Applications:

- ✓ Supercontinuum generation
- ✓ Precision frequency measurement
- ✓ CPA seeding
- ✓ Teaching labs...



Laser output pulse train



Parameter	Specification		
	Min.	Typ.	Max.
Output power		1mW	
Center wavelength		1560nm	
Spectral bandwidth		~8nm	
Pulse duration		~500fs	
Polarization extinction ratio		>15dB	
Repetition rate		10-100MHz (fixed)	
Operation temperature	15C	25C	40C
Dimensions		74x122x13 mm	

Note: The specifications are subjected to change without prior notice.
Please contact Kphotonics for more details.

