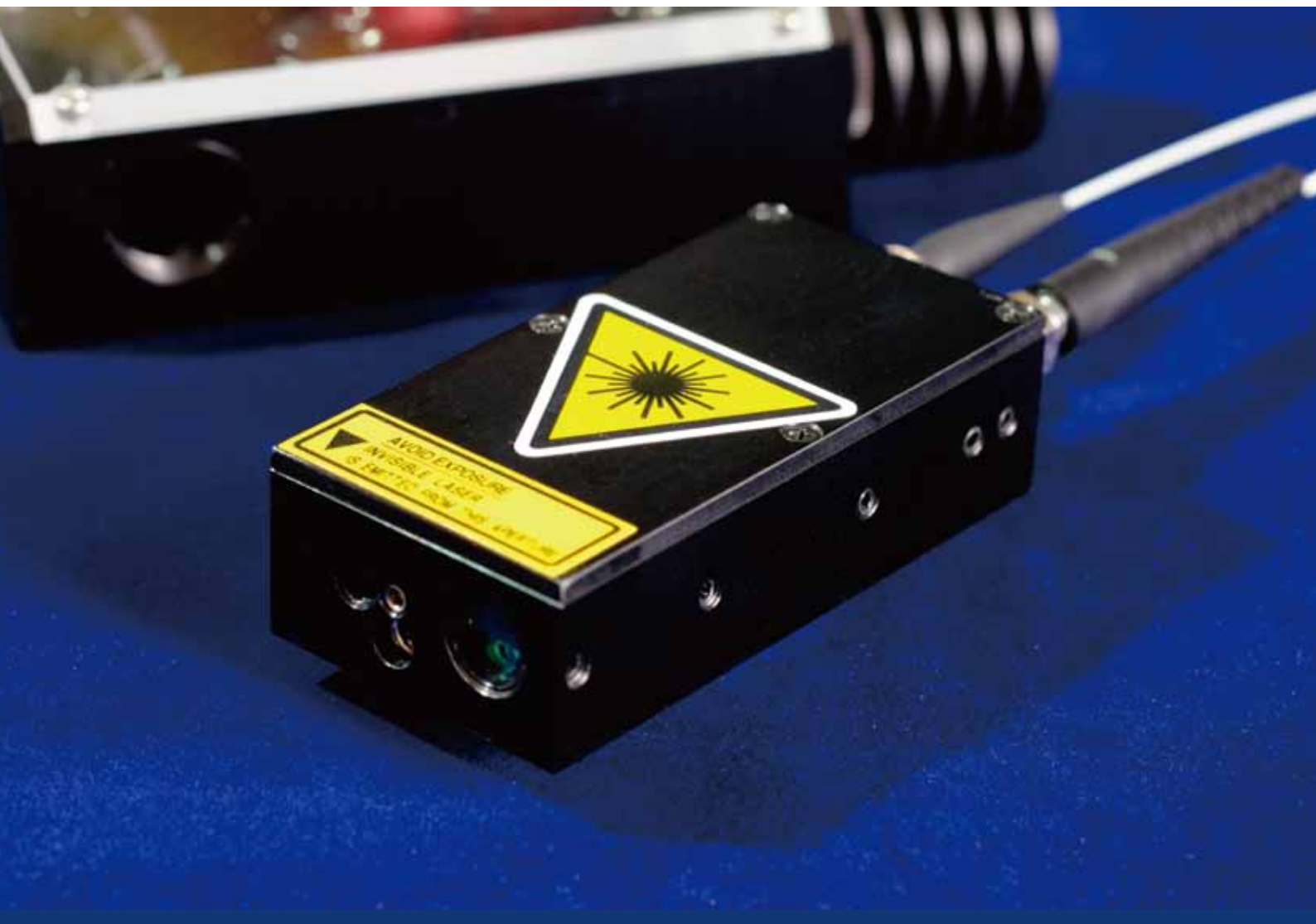


# PHLUXi MCL

Microchip Laser for Terahertz Parametric Oscillator

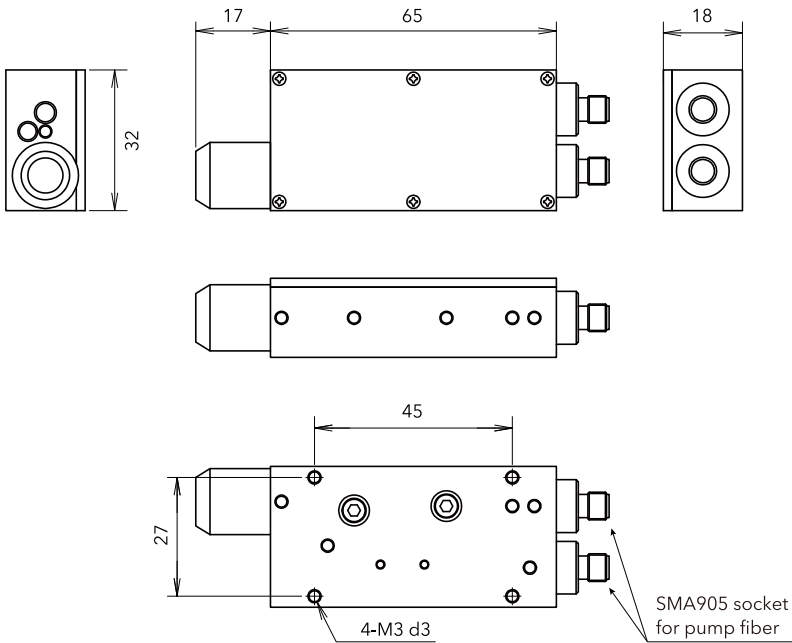
## PRELIMINARY

Passive Q-sw microchip oscillator / High gain amplifier  
High energy output up to 20 mJ/pulse  
Ultra compact



## ■ Laser Head

### ● DIMENSIONS (with SHG module)



### ● SPECIFICATIONS

Wavelength	1064 nm (532 nm optional)
Pulse energy	20 mJ max
Pulse width	1.5 ns
Repetition rate	60 Hz max for short term
Peak power	13.3 MW
Dimensions	32 (W) x 65 (D) x 18 (H) mm <sup>3</sup>
Weight	80 g

### - Bench-top pump source

Repetition rate	1~100 Hz
Duty cycle	5% max
Conditions	0~40 deg C (operation) -20~60 deg C (storage)
Dimensions	240 (W) x 320 (D) x 200 (H) mm <sup>3</sup>
Weight	12 kg
Power	100 VAC, 50/60 Hz

Estimated Price USD45,000 (as of Jun, 2019)

## ■ Battery-drive pump source (Optional)

- Compact and light weight for fieldwork
- Diode driver, TE cooler, and battery
- Continuous operation >1 hour in 1.5% duty ratio



### ● SPECIFICATIONS

Wavelength	808 nm (nominal)
Peak power	250 W max (x 2 ch)
Pulse width	40.0 ~ 400.0 us
Repetition rate	1~100 Hz
Duty cycle	1.5% max
Conditions	10~40 deg C (operation) -20~60 deg C (storage)
Dimensions	270 (W) x 270 (D) x 80 (H) mm <sup>3</sup>
Weight	5.1 kg

Detailed information available. Ask us!