

# YTTERBIUM DOPED FIBER LASER

Model Number: **YDFL-PICO-1064-5-40-4-FCA**

Product Code: **1512**

**Micro Processor Controlled**

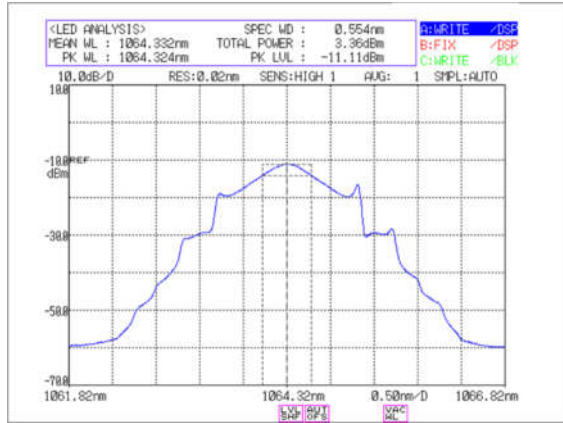
**Picosecond Mode Locked Fiber Laser Module**



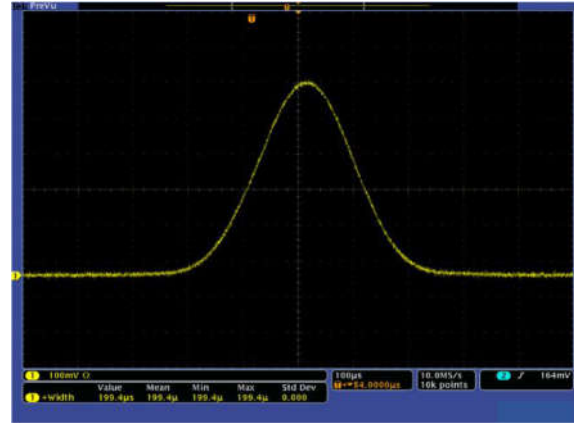
## Specifications:

Parameters	Specifications
Wavelength Range	1064 nm
Polarization Maintaining Property	Provided. Laser output is aligned along the slow axis of PM fiber
Pulse Width	5 ps typical
Pulse Repetition Rate	40 +/- 5 MHz typical
Output Power	4 mW typical
Optical Tap Fiber	900um loose tube, FC/APC, blue, 1 meter, SMF-28
Optical Output Fiber	900um loose tube, FC/APC, red, 1 meter, PM fiber PN: PM980
RF Synchronized Pulse Output	50-ohm DC coupled, 200 mV typical peak amplitude
Polarization Extinction Ratio	≥ 20 dB
Control and Communication Interface	RS-232, RS-232 voltage level
Dimension	90 x 70 x 24 mm
Power Input	+3.3 VDC +/- 5%
Electrical Interface Connector	PN: ZLTMM-115-71-L-D-633, Male 30-PIN
Operational Case Temperature Range	+10 to +40 °C
Mode of Operation	ACC (constant pump current control)

# YTTERBIUM DOPED FIBER LASER



Typical Optical Spectrum



Typical Autocorrelation Trace

**Electrical connector:**

Part number: ZLTMM-115-71-L-D-633

Pin No.	Description	Pin No.	Description
1	+3.3V Vin	2	+3.3V Vin
3	-	4	-
5	GROUND	6	GROUND
7	RS232RX/SCL	8	RS232TX/SDA
9	GROUND	10	GROUND
11	-	12	RESET LVTTTL
13	LASER DIODE ENABLE LVTTTL	14	-
15	CASE TEMP ALARM LVTTTL	16	-
17	-	18	LASER CURRENT ALARM LVTTTL
19	-	20	LOSS OUTPUT ALARM LVTTTL
21	-	22	-
23	-	24	-
25	GROUND	26	GROUND
27	-	28	-
29	+3.3V Vin	30	+3.3V Vin

