

# ERBIUM DOPED FIBER LASER

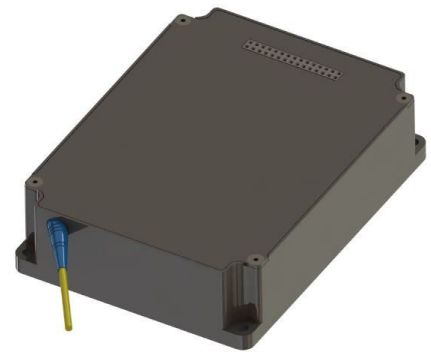


Model Number: **EDFL-Nano-1550-0.9-0.8uJ-800mW-FCA**

Product Code: **1705**

**Micro Processor Controlled**

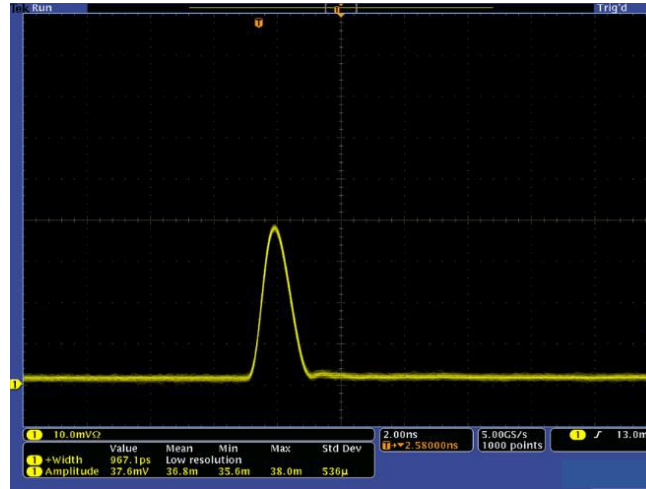
**Nanosecond Fiber Laser Module**



## Specifications:

Parameters	Specifications
Center Wavelength	1550 nm typical
Pulse Width	0.9 – 1 ns
Energy Per Pulse	0.8 – 0.9 $\mu$ J
Pulse Repetition Rate	1 – 4 MHz
Output Power	800 mW
Optical Output Fiber	900um loose tube, FC/APC, 0.5 meter, SMF-28
Optical Tap Fiber	900um loose tube, FC/APC, 1 meter, SMF-28
Timing Jitter	$\leq$ 0.50 ns, rising edge of the TTL trigger to the Laser Output Pulse
Control and Communication Interface	RS-232, TTL voltage level
Dimension	100 x 75 x 25 mm
Power Input	+12 VDC +/- 5%
Electrical Interface Connector	PN: SAMTEC SMM-115-02-SD, Female 30-PIN
Operational Case Temperature Range	-5 to +60 $^{\circ}$ C
Mode of Operation	ACC (constant pump current control)

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Typical Laser Pulse Shape

**Electrical connector:**

Part number: SMM-115-02-S-D

Pin No.	Description	Pin No.	Description
1	+12V Vin	2	+12V Vin
3	+12V Vin	4	+12V Vin
5	GROUND	6	GROUND
7	RX	8	TX
9	GROUND	10	GROUND
11	CUSTOMER TRIGGER	12	-
13	HARDWARE -PUMP ENABLE / DISABLE	14	BURST OUT
15	CASE TEMPERATURE ALARM	16	-
17	LASER TEMPERATURE ALARM	18	LASER CURRENT ALARM
19	TRIGGER ALARM	20	LASER STATUS
21	GROUND	22	GROUND
23	-	24	-
25	GROUND	26	GROUND
27	+12V Vin	28	+12V Vin
29	+12V Vin	30	INTRL TRIGGER TO CONN



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 Manufactured in the USA