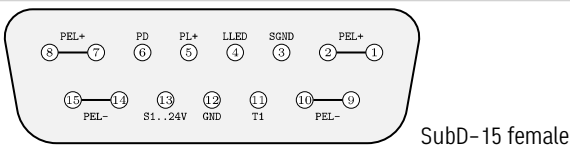


Type: ds11-la70v05-pa07v48-t19291-v2-296



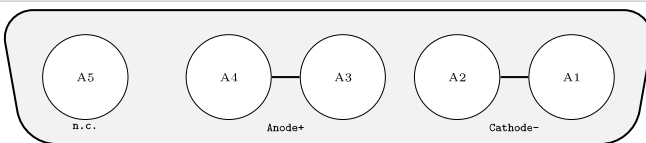
- Laser max.: 70A, 5V
- TEC max.: 7A, 48V
- trise, tfall < 30µs
- supply voltage: 100~230VAC - 50/60Hz
- External, Internal, Analog and Digital Modulation
- Current Monitor
- Bias Current option
- Pilot Laser Supply
- External Fan Support
- optional additional TEC-stages

Peltier Connector



PIN.No	Abbr.	Function
1;2;7;8	PEL+	Peltier TEC positive Output
3	SGND	Supply Ground
4	LLED	Laser ON LED Anode (+) ILED ca.5mA, vs. GND
5	PL+	Pilot Laser (+), vs. GND
6	PD-	Photo Diode Cathode (-) Input
11	T1	Temperature Sensor Input, vs. GND (default NTC10k)
12	GND	Common Ground
13	S1-24V	1-24V adjustable Supply, max. 500mA, vs. GND, for fan etc.
9;10;14;15	PEL-	Peltier TEC negativ Output

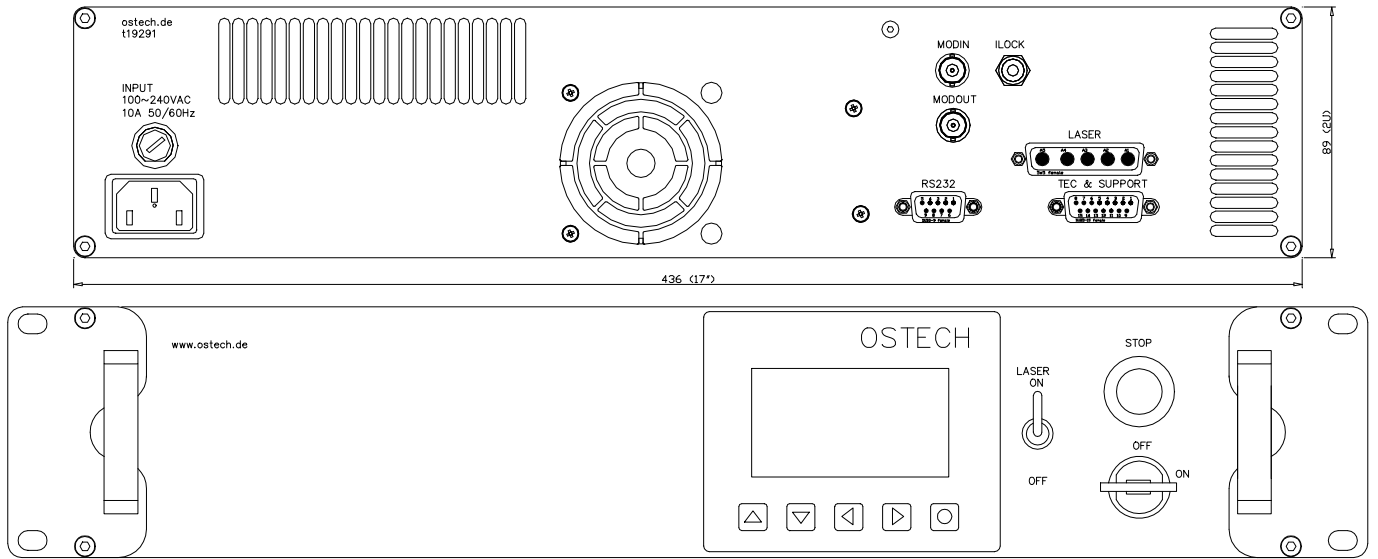
Laser Connector



SubD-5W5 female

PIN.No	Abbr.	Function
A3; A4	LDA+	Laser Diode Anode (+)
A1; A2	LDC-	Laser Diode Cathode (-)
A5	n.c.	

RS232 Connector	AMOD/DMOD-IN Connector	MOD-OUT Connector	Interlock Connector
SubD-9 female Standard RS232-Connector (No Null-Modem Cable !)	BNC-Socked Input-Impdanz 10kOhm Digital Modulation with TTL-Pegel Analog Mod. 0-4[V] => 0-Imax[A]	BNC-Socked, current monitor 0-Imax[A] -> 0-4[V] Take care for laser isolation if you connect GND potential to an oscilloscope f.e.	Jack Connector 3.5mm Laser runs only if closed (ca. 5mA over 2V -> R <= 400R)



Revision overview:

2017.10.10: "v2" - single pin temp.-sensor input and separated supply ground pin

References:

- <http://www.ostech.de/en/products/laser-drivers/ds11-t192>
- <http://www.ostech.de/en/downloads/manuals/ds-en.pdf>
- <http://www.ostech.de/en/downloads/labview>