

FEATURES:

- Can short circuit a connected laser diode
- Current carrying capacity is up to 110A
- Current peak load capacity up to 330A
- Low-cost PCB-design
- Turn off time < 1us
- Perfectly **combinable** with the LaCoSys **SmartDetect** photodetector
- **Customisation possible**
- Galvanic isolated control

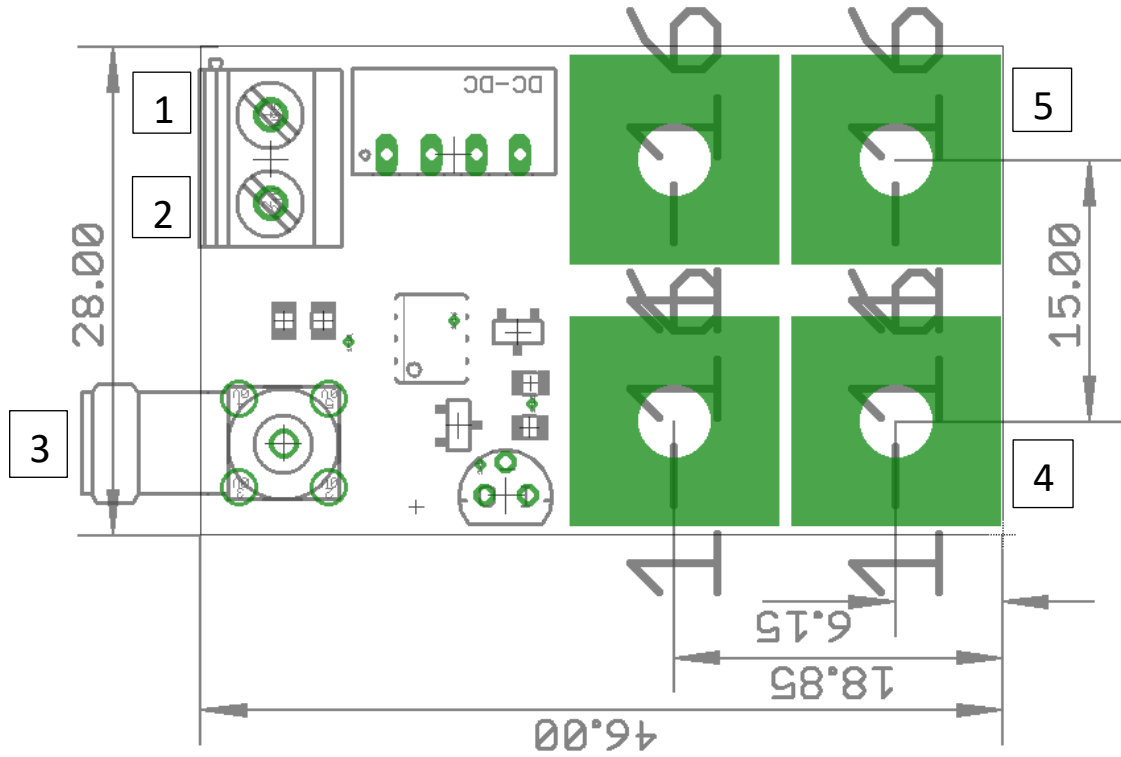


PARAMETER	SmartProtect
Input voltage	24Vdc
Current carrying capacity	110A @25°C
Current peak load capacity	330A max 1ms
SMA remote shutdown	TTL min 5mA
Vdss	100V @ 25°C - 115°C
TTL – compatible turn off time	<1µs (dependent on cable length)
PARAMETER	COMMON DATA
Input connector	SMA
Power consumption	<1 Watt
Dimensions [mm]	(Length x Width x Height) 28 x 46 x 20
Weight (approx.)	50g
Location of use	Only for inside use
Environmental conditions	
Temperature range	
Operation	10 ... 40 °C
Storage	-10 ... 60 °C
Relative Humidity	
Operation	≤ 80 % (non-condensing)
Storage	≤ 99 % (non-condensing)
Vertical height of use	
Operation	3000 m
Storage	12000 m

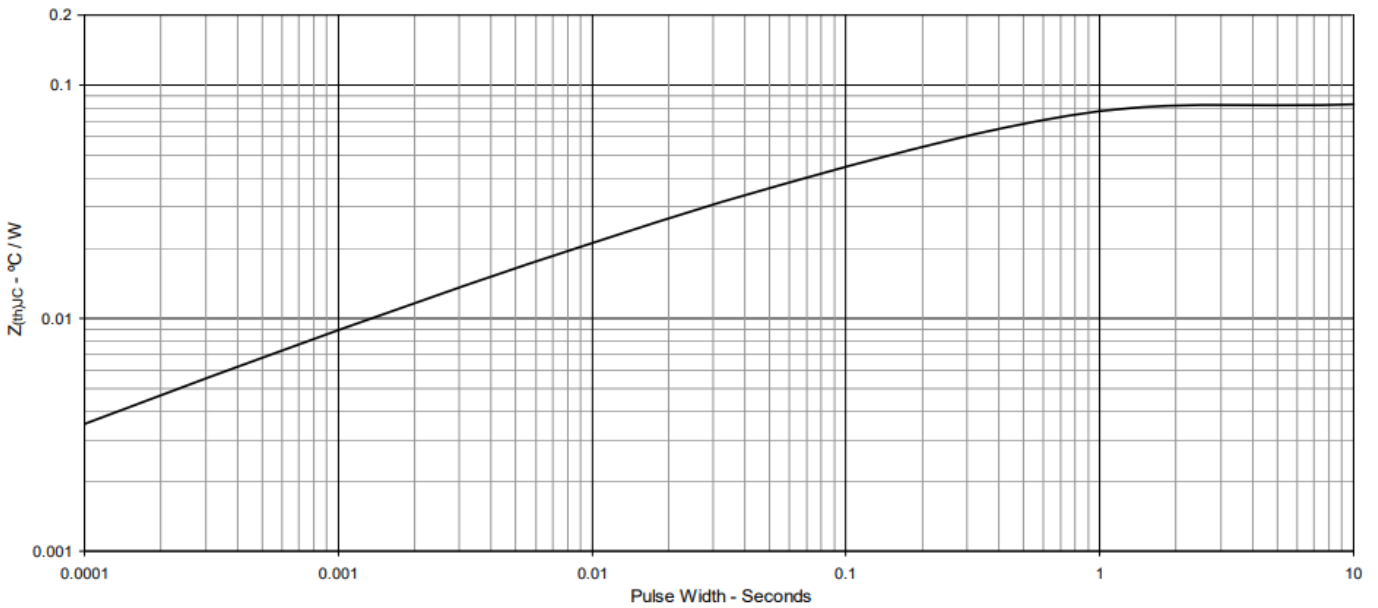
DESCRIPTION:

CONNECTOR	FUNCTION	SPECIFICATION AND REMARKS
1	Power supply	GND
2	Power supply	24Vdc
3 (bore)	SMA remote shut down	TTL min 5mA
3 (shield)	SMA remote shut down	GND
4	Laser diode anode	
5	Laser diode cathode	

MECHANICAL DRAWINGS:



Maximum Transient Thermal Impedance



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