



30V to 5V Converter

1. Product Overview

Global Laser's 6-30 Volt in-line adaptor provides a compact reliable solution which allows a wide range of laser diode modules to be powered from an industry standard 24Vdc supply. The solid state technology design transforms unregulated dc voltage in the range of 6 to 30Vdc generally found in industrial machines to a regulated 5Vdc supply suitable for the reliable operation of laser diode modules.

The in-line design keeps any heat generated isolated from the laser diode module, thus ensuring reliability and maintaining laser diode lifetime. The compact 14mm diameter aluminium housing is voltage potential free, but allows good thermal contact for heat dissipation. Reverse polarity protection is also provided.

2. Specification

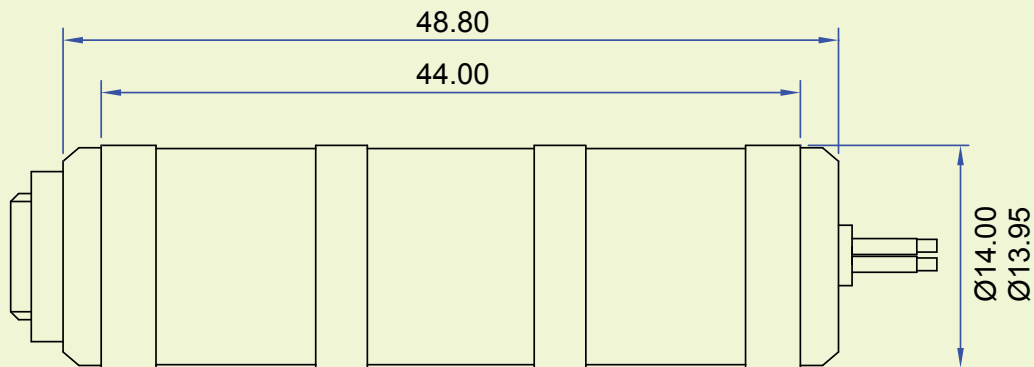
Mechanical Specification	
Mass (grams)	20
Dimensions (mm)	Ø14 x 48
Housing	Anodised Aluminium
Isolated Body	Yes
Lead Length (mm)	500
Connector Type	2.5mm Female DC Jack
Environmental Specification	
Operating Case Temperature (°C)	-10 to +50 *
Storage Temperature (°C)	-10 to +80
Operating Humidity (%RH)	90 non condensing
Electrical Specification	
Input Voltage Range (Vdc)	6 to 30
Maximum Operating Range (mA)	500
Operating Drive Circuit Current (mA)	2 (Typical)
Reverse-Polarity Protection	Yes
NOTES - * = The case temperature range should be kept within specification at all time. Failure to do so will result in the converter shutting down. All specifications are typical @ 25°C	

3. Compatibility

Global Laser's 6-30 Volt in-line adaptor is compatible with the following laser available through RS Components.

RS Part Number	Description
RS697-3522	Green Laser Alignment Kit (Class 3R Version) (1950-01)
RS1271566	Green Laser Alignment Kit - Class 2 (1950-03)
RS1271572	LaserLyte-Flex 635nm 1mW (3117-12)
RS697-3557	LaserLyte Flex 635nm 5mW Dot (3117-10)
RS1271571	LaserLyte-Flex 635nm 10mW (3117-11)
RS697-3519	Laser Machine Vision Development Kit (1952-01)
RS697-3513	Red Laser Alignment Kit (1951-01)
RS488-1421	GreenLyte Alignment Laser (5710-03)
RS442-3390	V3RXL Bright Cross axis (5200-58)
RS442-3384	V3LL+D Bright line dot (5200-57)
RS442-3340	V3VLL Bright var. line (5200-56)
RS442-3334	V5D Standard Dot (5200-50)
RS1271568	Gated Cameo Laser Development Kit (1956-01)

1271574 - 30V to 5V Converter DC and Flying Leads Outline



Please Note: Global Laser reserve the right to change descriptions and specifications without notice.



T: +44 (0)1495 212213
 F: +44 (0)1495 214004
 E: sales@globalasertech.com
 www.globalasertech.com

Global Laser Ltd
 Unit 9-10
 Roseheyworth Business Park
 Abertillery, Gwent NP13 1SP UK