

LADC18A-1C

Pulse current driver



Solution for
 • (Laser) Industry

Product range
 LADC18A-1C

Power
 900 W

Pulsed current source, specially designed to drive laser diodes.

Technical Data

Specification

INPUT	
Nominal input voltage	20-60 Vdc
OUTPUT	
Current	0-58 VDC/0-18 A
Number of channels	1
Pout	900W TYPICAL
Ripple and noise, with laser diode load	<100 mApp
Response time pulse 0 A-18 A-0 A	<50 us (measured between 10 % and 90 % of the current)
Overshoot	<0.5 %
Pulse frequency	0-5 KHZ, DC = 0 % - 100 %
GENERAL	
Operating temperature range	BASEPLATE: 5...+ 50 °C; AMBIENT 0...+ 70°C
Dimensions W x D x H	34 mm x 120 mm x 50 mm
Cooling	Baseplate



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INTERFACE	
Enable	TTL compatible, High = enabled
Pulse	Pulse pin
Iprog	SET POINT: 0-10V SIGNAL --> 0-18A OUTPUT CURRENT
Imon	Current monitor: 0-10V signal --> 0-17A
Vmon	Voltage monitor: 0-10V signal --> 0-17A
Ready	Signal to indicate that the system is ready. TTL level, High=system ready
Interlock	Double interlock with interlock feedback

