

HELIUM NEON LASER POWER SUPPLY MODULE

MODEL: 06-LPM-820-065



The 06-LPM-8xx series of DC input models are compact, ultra-high reliability switching power supplies for OEM users requiring low output ripple, input filtering, a CDRH time delay, and an open-collector disable (“TTL control”).

Designed to provide outstanding conversion efficiency, the units are fully encapsulated in a specifically formulated epoxy for maximum heat dissipation and electrical insulation.

INPUT SPECIFICATIONS

Voltage (VDC)	10 to 14
Input Current (A, maximum)	2.5

OUTPUT SPECIFICATIONS

Sustaining Voltage (VDC)	1500 to 2500
Start Voltage (kVDC)	> 10
Current Setting Range (mA)	6.5 ± 0.2
Power (W)	< 7.5
Conversion Efficiency (%)	> 80
Current Ripple (% Peak to Peak)	< 0.5
Current Ripple (% RMS)	< 0.2
CDRH Power-on Delay (Seconds)	(Cut Loop to disable) 3 to 7
TTL Enable:	Ground to Enable
Output Connector:	Amphenol Alden D100FY”L”
Output Fault Protection:	Open, Short, Arc
Internal Bleed-down Resistor:	Yes

ENVIRONMENTAL SPECIFICATIONS

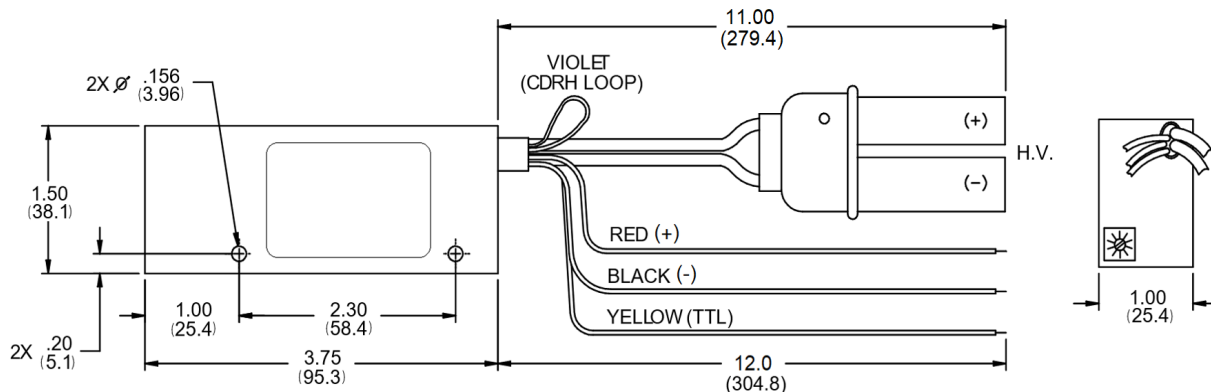
	OPERATING	NON-OPERATING
Temperature (°C)	-20 to + 60	-40 to + 80
Altitude (meters)	0 to 12,000	0 to ∞
Relative Humidity (% , non-condensing)	0 to 99%	0 to 99%

MECHANICAL SHOCK & VIBRATION

Shock (per IEC 68-2-27)	300 m/s ² for 11 msec, Half Sine, 3 cycles per axis
Vibration (per IEC 68-2-6)	10-55 Hz, .35mm amplitude, 1 Octave per minute, 6 cycles per axis

NRTL COMPLIANCE	
Electrical Safety	IEC 62368-1:2014 CAN/CSA-C22.2 No. 62368-1-14
Certifying Body	TUV Rheinland
Certificate No.	CU72205067 04
SELF-CERTIFICATIONS	
EMC	EN 61326-1: 2013
REACH	1907/2006 + Annex XIV, XVII
EU POP	EU 2019/1021
RoHS 3	EU 2015/863/EU
Please request Declaration of Conformity if further information is required.	
EXPORT INFORMATION	
ECCN	EAR99
HTTS	8504.40.9510
Country of Origin	United States
THESE PRODUCTS ARE SOLD IN ACCORDANCE WITH UNITED STATES EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAWS IS PROHIBITED.	

Product Label & Markings



Dimensions in inches (mm)

Information contained herein is for reference only and subject to change without notice.