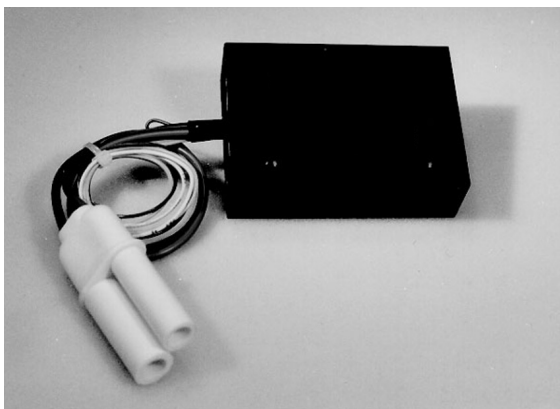


HELIUM NEON LASER POWER SUPPLY MODULE

MODEL: DG Series



The DG series of dual AC input models are compact, high reliability switching power supplies, delivering ultra-low output ripple, input filtering, and a CDRH time delay.

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

Benchtop & Laboratory models configured for end-user applications are also available.

SPECIFICATIONS		DG-12-00	DG-15-00	DG-22-00	DG-28-00
Input Voltage	(VAC $\pm$ 10% 50/ 60 Hz)	100 to 120 VAC or 220 to 240 VAC			
Input Current	(A, max sustaining)	.23 or .12	.23 or .12	.32 or .16	.40 or .20
Output Voltage	(VDC)	800 to 1500	1300 to 1900	1900 to 2600	2400 to 3200
Start Voltage	(kVDC)	> 7	> 8	> 10	> 10
Current Set Range (mA)		3.0 to 6.0	3.0 to 6.5	4.0 to 7.0	5.0 to 7.0

SPECIFICATIONS (Common to all models)

Conversion Efficiency (%)		> 85
Current Ripple (% Peak to Peak)		< 2
Current Ripple (% RMS)		< 0.71
CDRH Power-on Delay (Seconds)	Cut violet loop to Eliminate	3 to 7
TTL Enable:		None
Input Connector:	Flying Leads	None
Output Connector:	Amphenol Alden D100FY"L"	Present
Output Fault Protection:	Open, Short, Arc	Present
Internal Bleed-down Resistor:		Present

ENVIRONMENTAL SPECIFICATIONS	OPERATING	NON-OPERATING
Temperature (°C)	-20 to + 50	-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

Pending

Certificate No.

Pending

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 for further compliance information.

EXPORT INFORMATION

ECCN

EAR99

HTTS

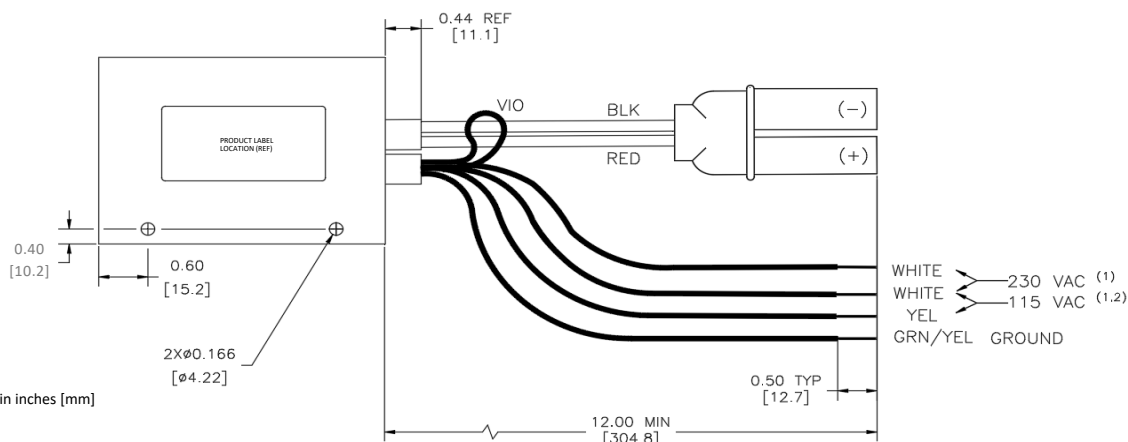
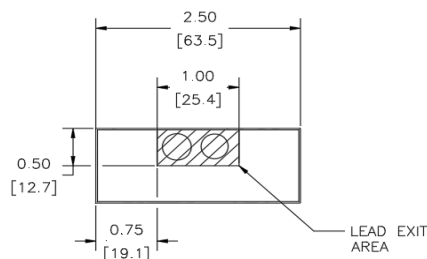
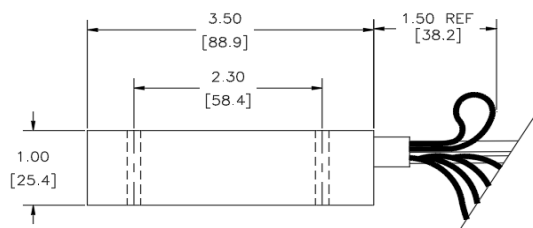
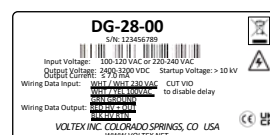
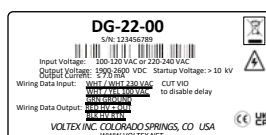
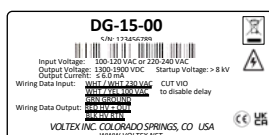
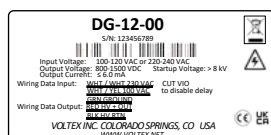
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Country of Origin

United States

THESE PRODUCTS ARE SOLD IN ACCORDANCE WITH UNITED STATES EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAWS IS PROHIBITED.

Product Labels



Dimensions in inches [mm]

Information contained herein is for reference only and subject to change without notice.
Removal of Product Label voids warranty and invalidates all regulatory compliance certifications.

- (1) Unused conductors must be insulated.
- (2) For 115 VAC operation, white wires may be connected together.