

High Voltage Power Supplies



URG Series 300V to 6kV 1.5W

01.107.03 01-1



FEATURES

- Small Size PCB Mountable
- High Performance, low Ripple
- Input/Output Proportional
- Input/Output Isolation
- Center tap (option) is available

SUMMARY

URG series is a high performance, compact PCB mountable power supply.

This series is an input/output proportional module, and has a fully floating output of either polarity.

APPLICATIONS

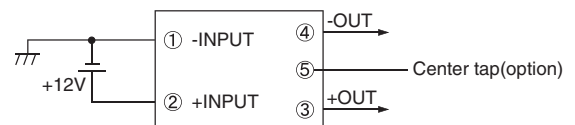
- Photomultiplier Tubes
- Ionization Chambers
- High Voltage Bias
- E-chuck

Max. Output (KVdc)	Output Voltage (KVdc)	Output Current (mA)	MODEL	Rated load	Ripple (%p-p)	Input Voltage (Vdc)	Input Current TYP (mA)	Insulation Input/Output (Vdc)
0.3	0.02 to 0.3	5	URG-0.3PN	60K Ω	0.2	0.8 to 12	220	2000
0.35	0.02 to 0.35	4.3	URG-0.35PN	81K Ω				
0.5	0.03 to 0.5	3	URG-0.5PN	167K Ω				
1.0	0.06 to 1.0	1.5	URG-1PN	667K Ω				
1.5	0.1 to 1.5	1	URG-1.5PN	1.5M Ω				
2	0.13 to 2	0.75	URG-2PN	2.67M Ω	1			
3	0.2 to 3	0.5	URG-3PN	6M Ω				
4	0.27 to 4	0.37	URG-4PN	10.8M Ω				
5	0.3 to 5	0.3	URG-5PN	16.7M Ω				
6	0.4 to 6	0.25	URG-6PN	24M Ω				
								3000
								4000
								5000
								6000

SPECIFICATIONS

Output Voltage	Proportional to input voltage (See table)
Output Power	1.5W MAX
Regulation	5% typ. (50% to 100% load)
Protection	Intermittent output short circuits.
Operating temp.	-10°C to +60°C
Storage temp.	-20°C to +60°C

CONNECTION DIAGRAM



Note : These specifications are at the maximum rated output after a warm-up period unless otherwise specified.

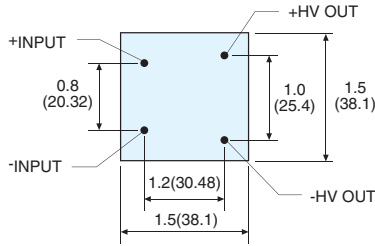
OPTIONS

- LCt** Dual polarity output with an output center tap
- LMb** Metal shield Box(for 0.3 to 2kV model only)
(Consult to sales office for models over 3kV.)

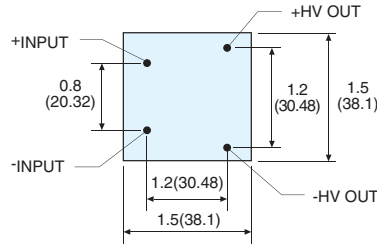
*To order these options, attach the option marking after the model name.
(i.e.) URG-1.5PN-LCtMb(in alphabetic sequence)

DIMENSIONS inch(mm)

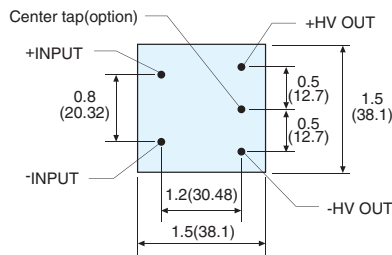
BOTTOM VIEW(0.3kV to 4kV models)



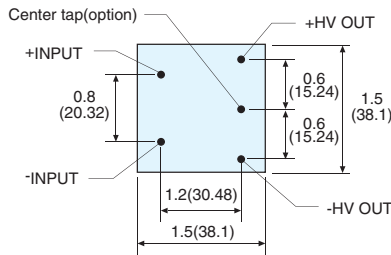
BOTTOM VIEW(5kV and 6kV models)



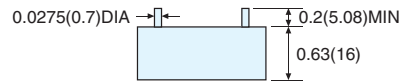
BOTTOM VIEW(0.3kV to 2kV models with -LCt option)



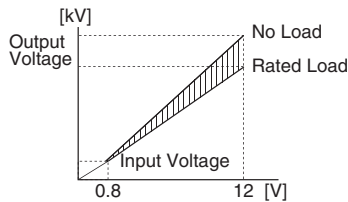
BOTTOM VIEW(3kV to 6kV models with -LCt option)



SIDE VIEW(All models)



INPUT/OUTPUT PROPORTIONAL CHARACTERISTIC



Warranty

We warrant that products contained in this catalog (hereinafter, the "Products") are free from defects in material and workmanship under normal use for a period of one (1) year from the date of shipment thereof. However, the warranty period for X-ray detectors and X-ray source shall be either one (1) year from the date of shipment or 1,000 hours, whichever shorter. The above warranty shall not apply to any Product which, at our sole judgment, has been: i) Repaired or altered by persons unauthorized by us; or ii) Connected, installed, adjusted or used otherwise than in accordance with the instructions furnished by us (including being used in an inappropriate installation environment, such as in corrosive gas, high temperature and humidity). We are not liable for any loss, damage or failure of the Products after the shipment thereof caused by external factors such as disasters. If any Product is shown to be defective as satisfactory to us, we, at our sole discretion, repair or replace such defective Products at no cost to the purchaser. We assume no liability to the purchaser or any third party for special, incidental, consequential, or other damages resulting from a breach of the foregoing warranty. This warranty excludes any and all other warranties not set forth herein, express or implied, including without limitation the implied warranties of merchantability or fitness for a particular purpose. The Products are not designed and produced for such applications as requiring extremely high reliability and safety, or involving human lives (such as nuclear power, aerospace, social infrastructure facility, medical equipment, etc.). The use under such environment is not covered by this warranty and may require additional design and manufacturing processes.



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