



## Woodruff Scientific Inc

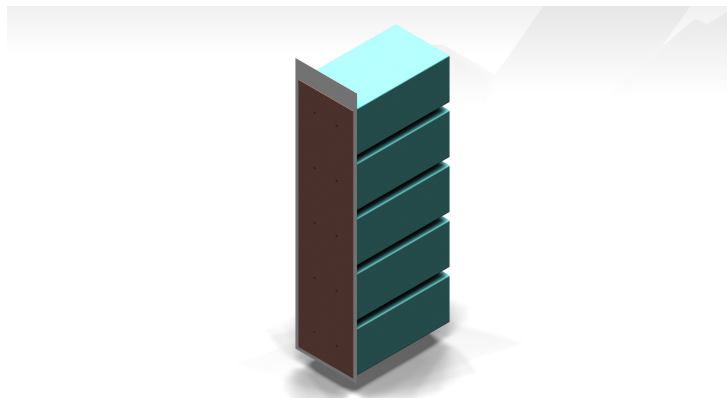
4000 Aurora Ave N,  
Suites 5 & 6, Seattle, WA 98103  
(206) 905 9477 8am to 5pm Pacific  
[sales@woodruffscientific.com](mailto:sales@woodruffscientific.com)  
<http://www.woodruffscientific.com>

**Model number(s):** CL-[9.4,23.5,37.6]

**Descriptive name:** Bank with IGBT switch, 8kV, 4700uF caps, linear arrangement

### Features:

- Aluminum buswork
- 30kV insulation rating
- Built for stand-alone applications
- Fully enclosed
- Standard mounting brackets
- Charge input and controls



### Operational ratings:

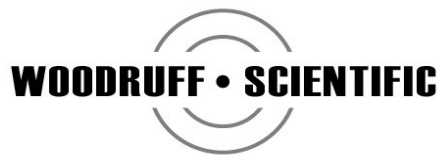
Parameter \ mF	9.4	23.5	37.6
Max Current	100kA	100kA	100kA
Max Voltage	8kV	8kV	8kV

### Operational characteristics:

Parameter \ mF	9.4	23.5	37.6
Inductance	<1uF	<1uF	<1uF
V_switch	130-370V	130-370V	130-370V

### Options:

Enclosures (Pallet / Rack / Partial / Full enclosure standard )  
Harnessing (RG8 cabling standard / Busbars / Other)  
Switching (SGs / Ignitrons / Solid state standard)  
Charging supplies (400V +-e standard)  
Controls (Labview control system)  
Sensors (Voltage dividers standard / Rogowskis / Thermal / Mechanical / Optical)

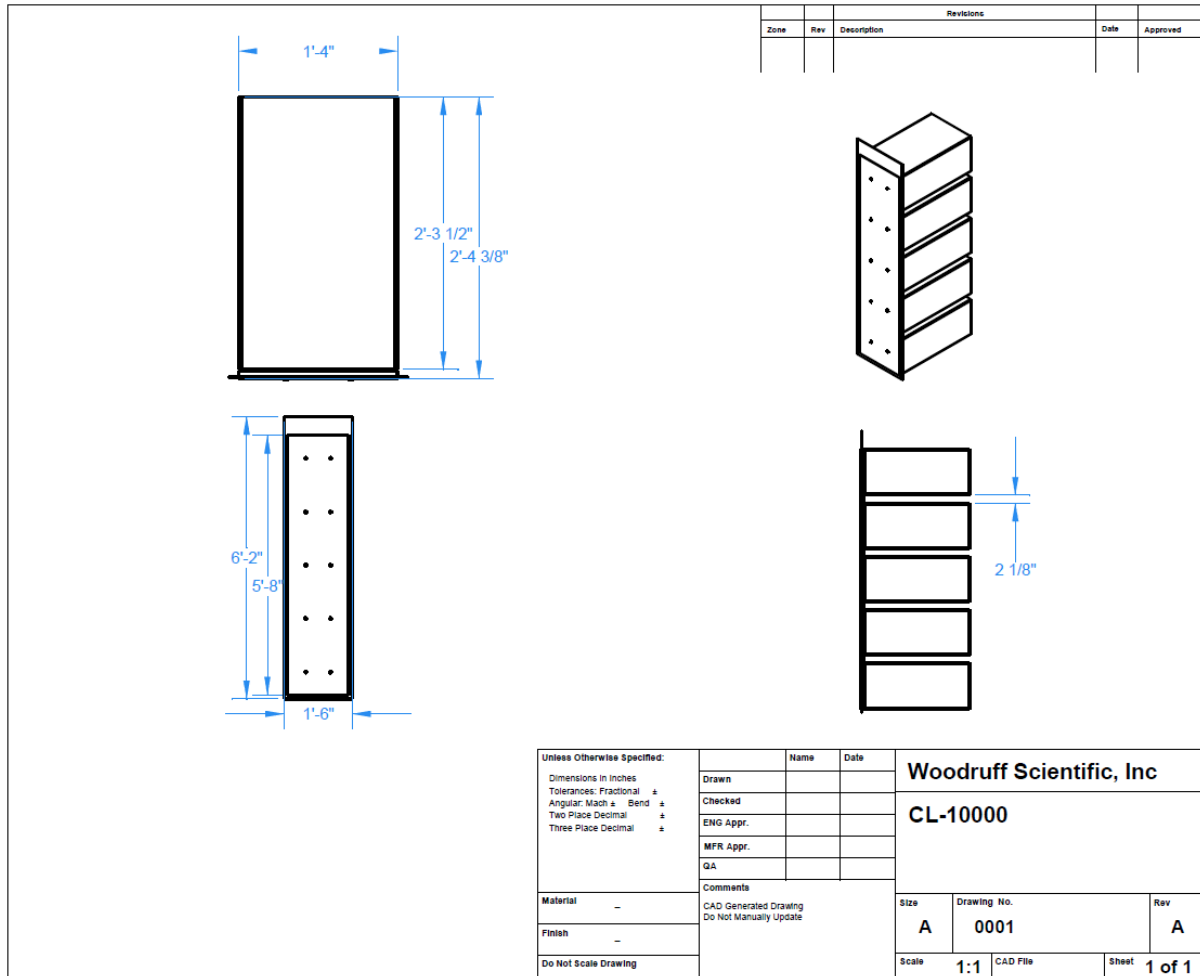


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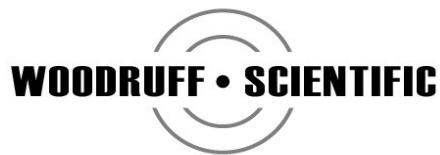
**Descriptive name:** Bank with IGBT switch, 8kV, 4700uF caps, linear arrangement



## Engineering Drawing

### Notes:

1. Mounting holes are sized as a clearance fit for a 1/4-20 screw
2. For higher power operation in steady state, attach coils to suitable heat sink
3. Electrical connections to the coil are made with 1/4" lugs, soldered to coil winding



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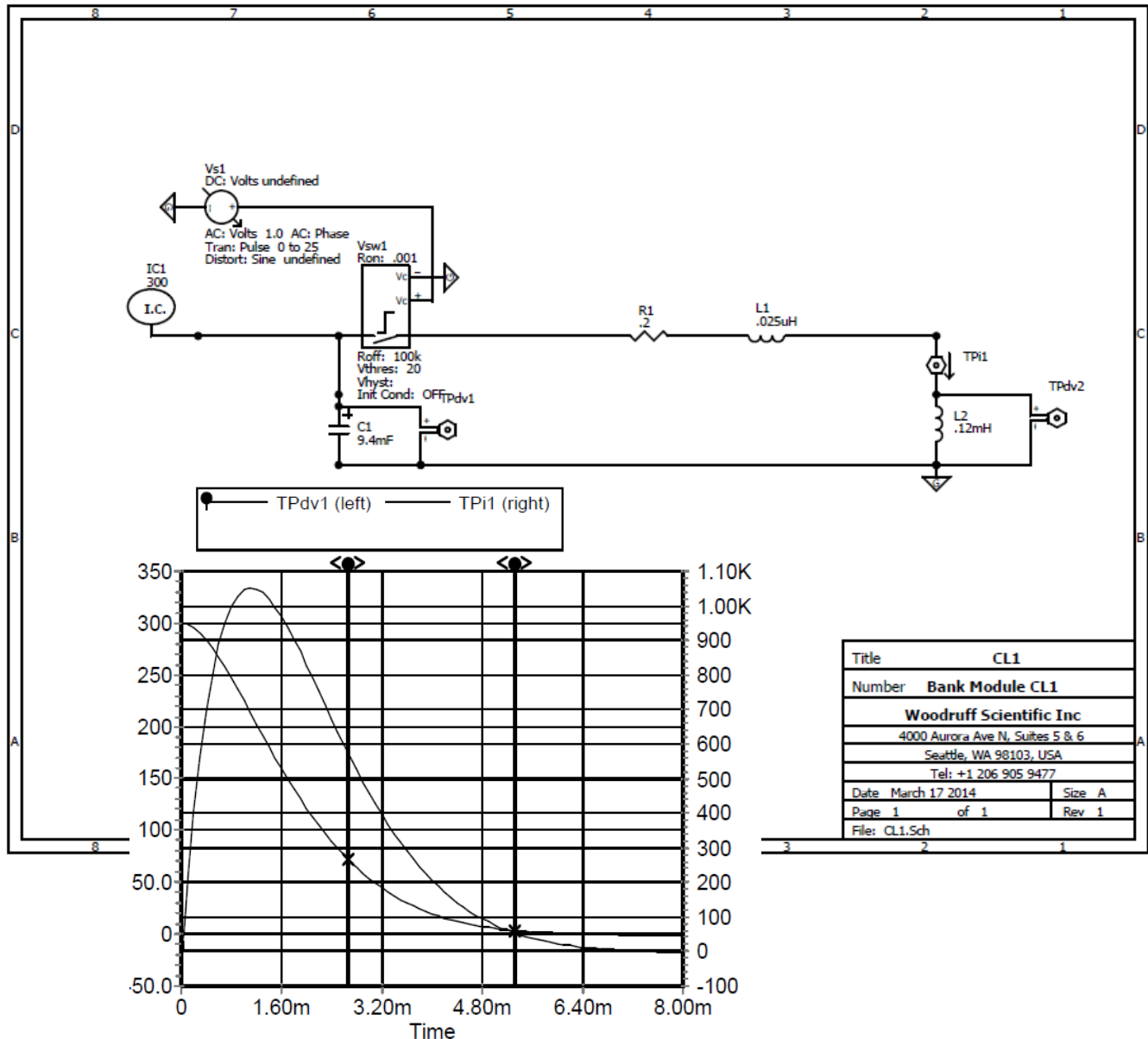
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Single 23.5mF bank module in aluminum frame	23.5mF, 8kV	
Multiple 23.5mF bank modules in aluminum frame organized as vertical array	70.5mFF, 8kV	
Multiple 23.5mF bank modules arranged in shelf mounts	70.5mF, 8kV	