



Woodruff Scientific Inc

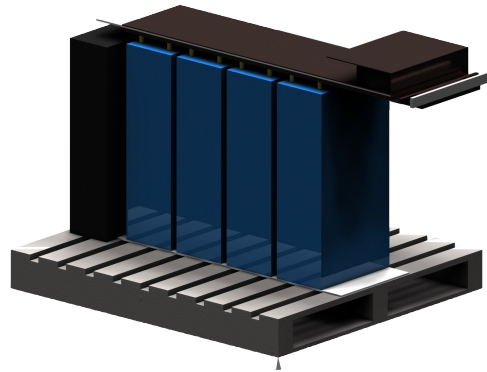
4000 Aurora Ave N,
 Suites 5 & 6, Seattle, WA 98103
 (206) 905 9477 8am to 5pm Pacific
sales@woodruffscientific.com
<http://www.woodruffscientific.com>

Model number(s): BL-[480,960,1920]

Descriptive name: Bank with spark-gap switch, 12kV, 120uF caps, linear arrangement

Features:

- Copper (-ve) and aluminum buswork (grnd)
- 30kV insulation rating
- Built for stand-alone applications
- Spark gaps rated to 50 Coulombs
- Standard pallet mount for shipping
- Easy maintenance / 360° access



Operational ratings:

Parameter \ uF	480	960	1920
Max Current	250kA	250kA	250kA*
Max Voltage	12kV	12kV	12kV

* set by spark gap switch

Operational characteristics:

Parameter \ uF	480	960	1920
Inductance	<1uF	<1uF	<1uF
V_switch	130-370V	130-370V	130-370V

Options:

- Enclosures (Pallet standard / Rack / Partial / Full)
- Harnessing (RG8 cabling standard / Busbars / Other)
- Switching (SGs standard / Ignitrons)
- Charging supplies (12kV -ve standard)
- Controls (Labview control system)
- Sensors (Voltage dividers / Rogowskis / Thermal / Mechanical / Optical)

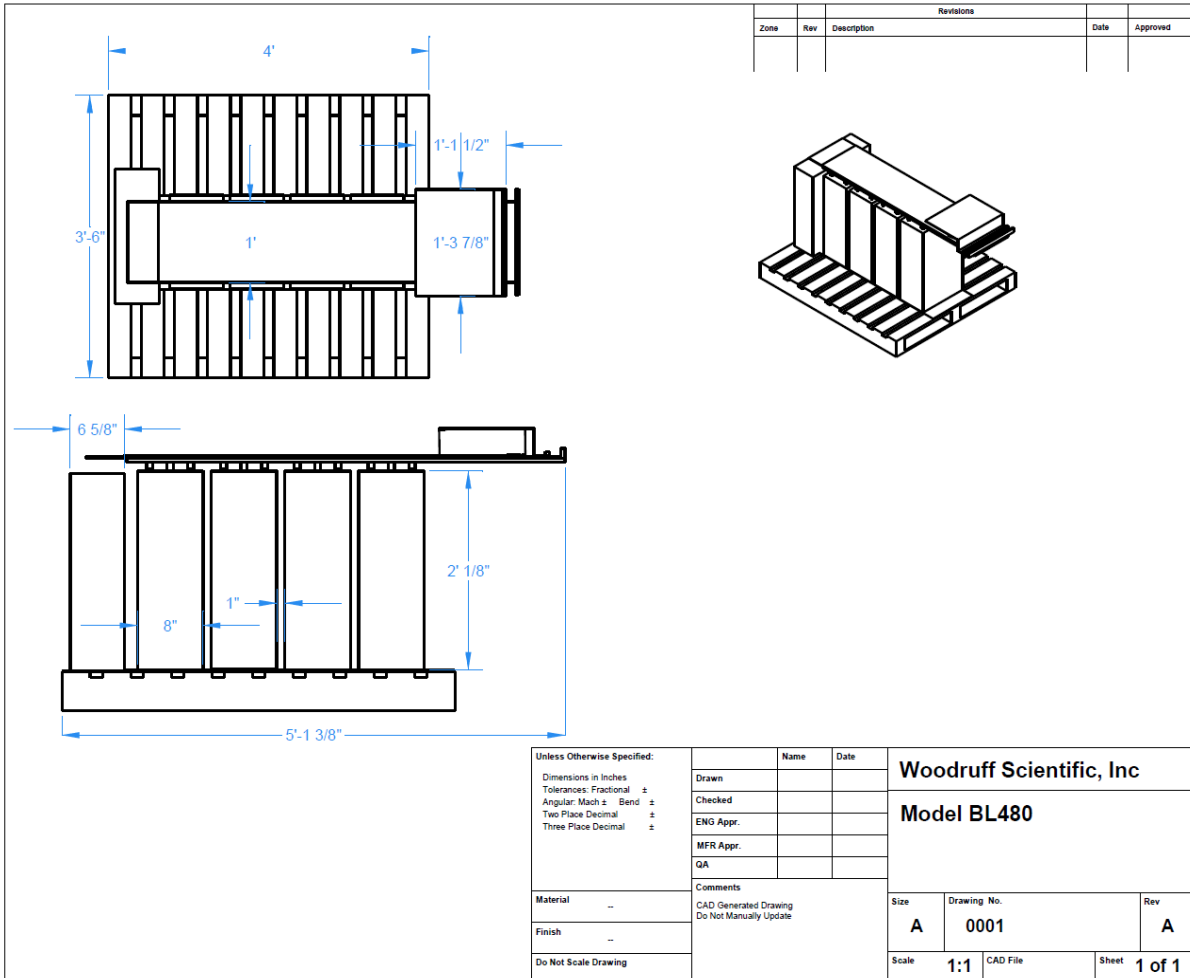


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Engineering Drawing

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

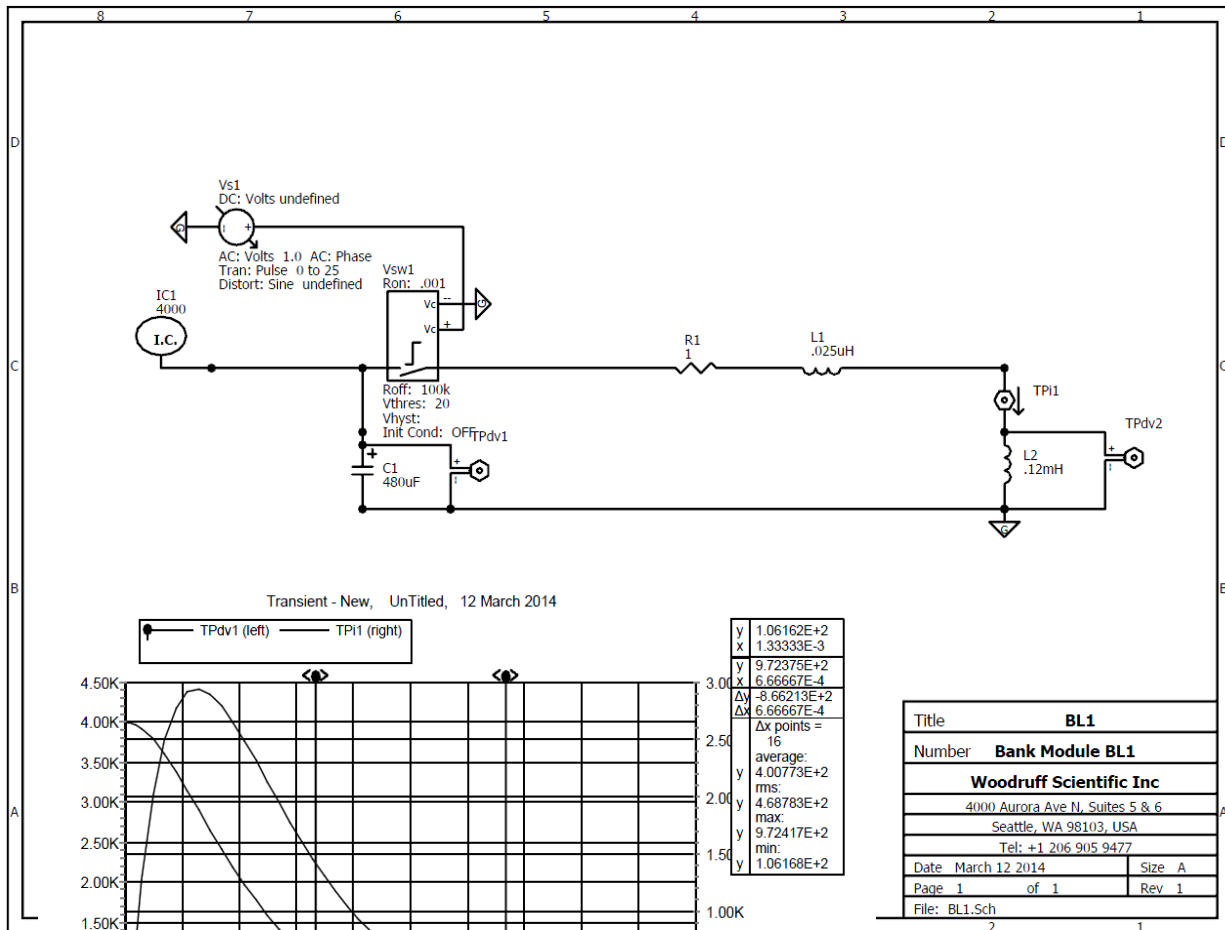


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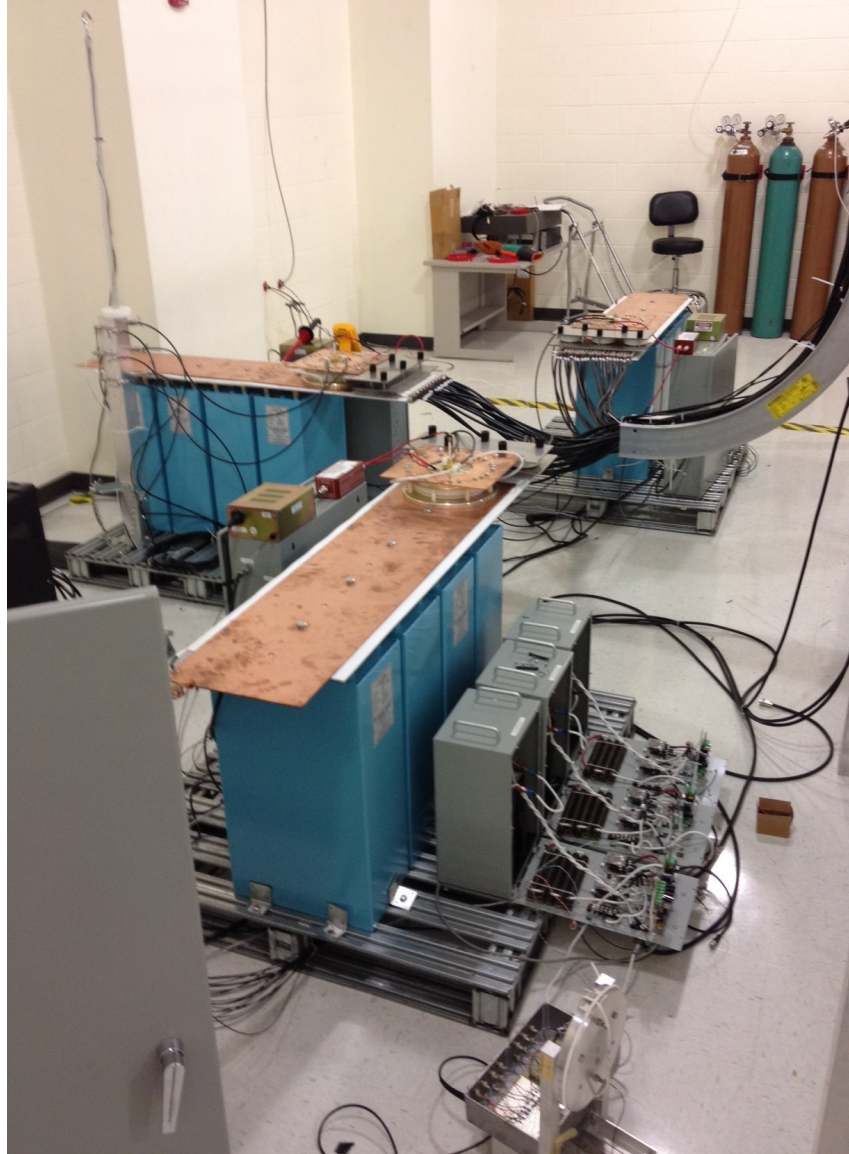


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<p>Single 480uF bank module in aluminum frame</p>	<p>480uF, 12kV</p>	
<p>Multiple 480uF bank modules in aluminum frame organized as vertical array</p>	<p>1920uF, 12kV</p>	
<p>Single 480uF bank module in horizontal frame configuration (shelf mount)</p>	<p>480uF, 12kV</p>	
<p>Multiple 480uF bank modules arranged in shelf mounts</p>	<p>1440uF, 12kV</p>	
<p>Multiple 480uF bank modules organized in horizontal shelf-mount configuration.</p>	<p>2880uF, 12kV</p>	