REV	Change	BY	DATE

#10 Terminal Screws x4

2
1

4.60

3.82

4
3

4.66

3.600

1/4-20 Internally Threaded
Mounting Hole ⍍ 0.5 x4

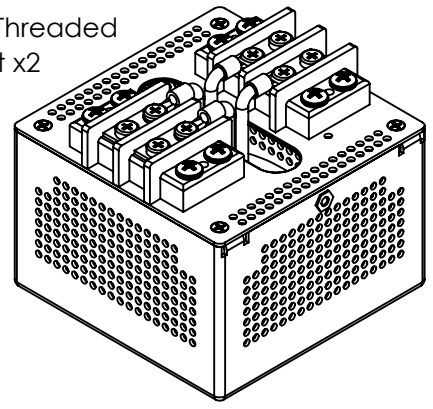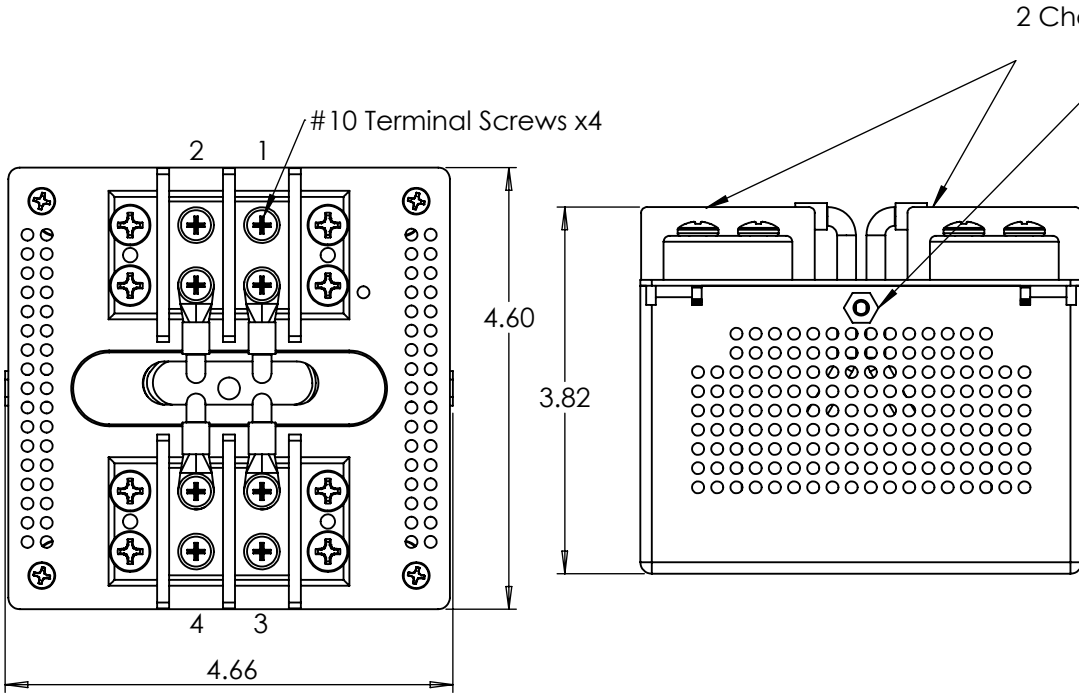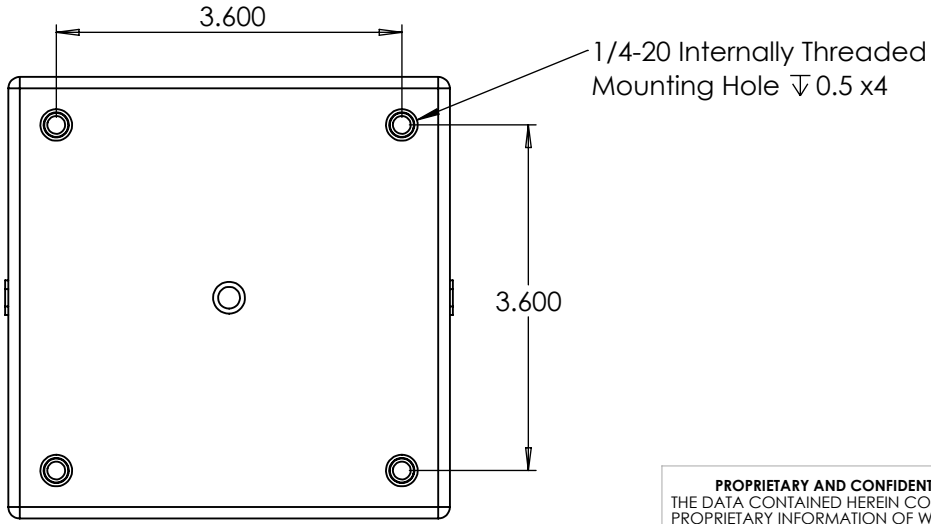3.600

2 Channel Terminal Block x2

8-32 Internally Threaded
Grounding Port x2

Electrical specifications per channel:
Current Rating: 50A
L = 6.12µH nom. @100kHz
L = 5.88µH nom. @1MHz
DCR: 7.8mΩ nominal
Impedance: >4.5kΩ @13.56MHz
SRF: 13.56MHz ±0.5MHz
Isolation: 2.5kVAC channel to channel
Isolation: 3.5kVDC channel to channel
Isolation: 6kVDC channel to chassis

Mechanical Specifications:
All materials rated for 130°C
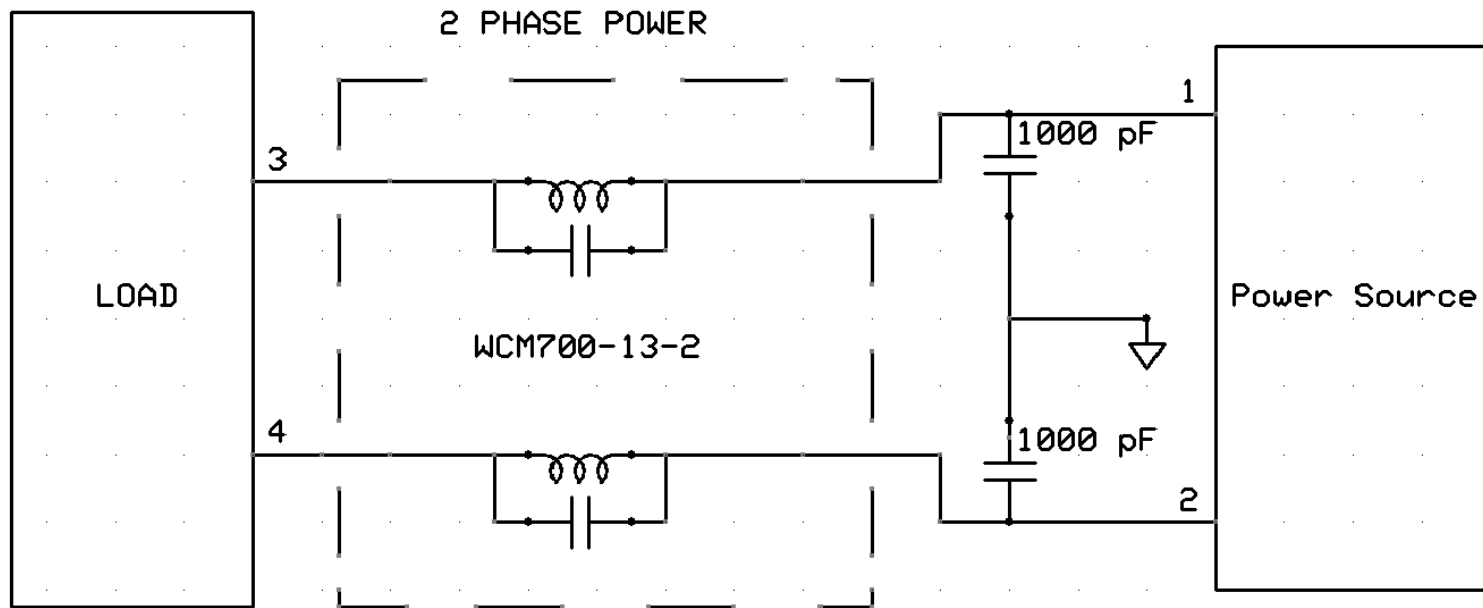Enclosure Material: AL 5052; alodine finish

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCH TOLERANCES
DECIMALS
X.X ± 0.05 in
X.XX ± 0.02 in
X.XXX ± 0.005 in
DRAWING NOT TO SCALE UNLESS NOTED

WEST COAST MAGNETICS
4848 FRONTIER WAY, STE. 100
STOCKTON, CA 95215
800-628-1123

CUSTOMER WCM	DESCRIPTION 2 Channel 13.56MHz Filter
PART NUMBER WCM700-13-2-50A	REV -

WCM WEST COAST MAGNETICS

| RELEASED BY JC | DATE 04/19/21 | SHEET 1 OF 2 |

5
4
3
2
1

2 PHASE POWER

LOAD

3

4

WCM700-13-2

1000 pF

1000 pF

1

2

Power Source

Schematic of one recommended application for WCM700-13-2

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCH TOLERANCES
DECIMALS
  X.X   ± 0.05 in
  X.XX   ± 0.02 in
  X.XXX ± 0.005 in

DRAWING NOT TO SCALE UNLESS NOTED

WEST COAST MAGNETICS
4848 FRONTIER WAY, STE. 100
STOCKTON, CA 95215
800-628-1123

CUSTOMER WCM	DESCRIPTION 2 Channel 13.56MHz Filter
PART NUMBER WCM700-13-2 50A	REV -
RELEASED BY JC	DATE 4/19/21	SHEET 2 OF 2

WCM WEST COAST MAGNETICS