

miniMOT Coils

PRODUCT HIGHLIGHTS

- **Anti-Helmholtz** coil pair
- Intended for use with Infleqtion **MOT** products
- Ideal for **MOT field generation**
- **Sturdy, compact** design

The Infleqtion miniMOT coils (CAMCMM) are a compact set of anti-Helmholtz coils. They are a standard part of the miniMOT V2 and miniMOT V2 package, but can be purchased separately to add another level of experimentation to either setup, or the doubleMOT or RuBECi. They mount to a standard 45mm rail, and use low current to create a field gradient appropriate for 3D MOT creation.

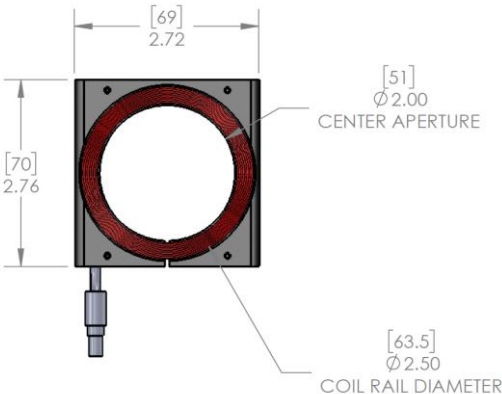
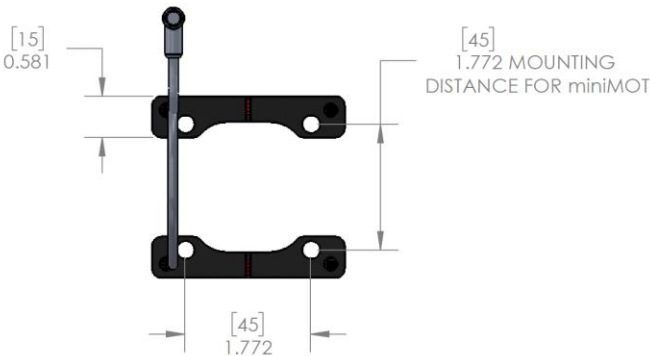


PRODUCT SPECIFICATIONS

Coils

Dimensions	70 mm x 70 mm x 15 mm 2.76 in x 2.76 in x 0.58 in
Coil Connector	3' Lemo cable
Magnetic Field Gradient	0-13.5 G/(A-cm)
Amperage Range	0-1 A
Recommended Current	0.5 – 0.7 A
Resistance of coils	8 Ω (two coils in series)
Inductance of coils	5-6 mH (two coils in series)
Mounting Type	45 mm rail

MECHANICAL DRAWINGS



UNCONTROLLED SALES DRAWING

Related Products

miniMOT V2	CMMX000Z
miniMOT V2 Package	CMPX0001
doubleMOT	CUDZZX0
RuBECi	CUXZZX0T

Note: "X" specifies species type (Rb or Cs) and Z specifies science cell type and AR coating

For more information,
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