

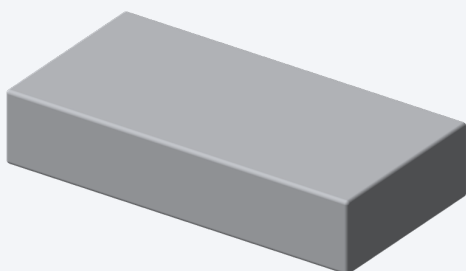
Block Magnet

10 x 5 x 2 mm (0.3937 x 0.1969 x 0.0787 Inch)

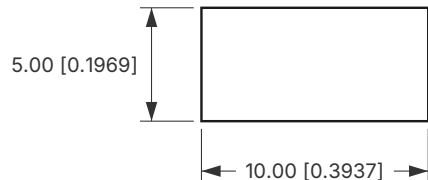
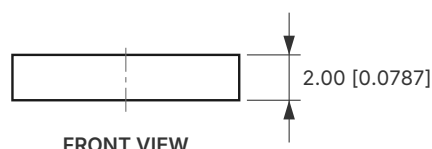
Width x Length x Thickness

ISOMETRIC VIEW

Not to scale

**SPECIFICATIONS**

WIDTH	10.00 mm [0.3937 Inch]
LENGTH	5.00 mm [0.1969 Inch]
THICKNESS	2.00 mm [0.0787 Inch]
TOLERANCE	±0.10 mm [±0.004 Inch]
MATERIAL	Sintered Neodymium (NdFeB)
GRADE	N38
COATING	Zinc (Zn)
MAGNETIZATION	Through the thickness
PULL FORCE	1.8 lbs (0.82 kg)
SURFACE FIELD	3,050 Gauss (305 mT)
WEIGHT (EACH)	0.8 g (0.028 oz)

DIMENSIONS mm [Inch] · not to scale**TOP VIEW****FRONT VIEW****MAGNETIZATION**

Magnetized through the 2.00 [0.0787] dimension. Pole faces shown for illustration.

GRADE PROPERTIES · N38

PROPERTY	SI	CGS / IMPERIAL
Remanence (Br)	1.22–1.25 T	12.2–12.5 kG
Coercivity (Hcb)	≥ 899 kA/m	≥ 11.3 kOe
Intrinsic coercivity (Hcj)	≥ 955 kA/m	≥ 12 kOe
Max. energy product (BH)max	287–310 kJ/m³	36–39 MGOe
Max. operating temperature	80 °C	176 °F

Typical values for sintered NdFeB of grade N38 at room temperature, not measured on this part. The highest safe working temperature also depends on the magnet's shape and how it's used.

Handling: neodymium magnets are brittle and can chip, or pinch skin, if they snap together. Keep them away from pacemakers and magnetic media.

**VIEW ONLINE**

Scan to open this magnet on
totalElement.com.

CAD FILES

The technical drawing and 3D model are on the
product page.

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