totalElement

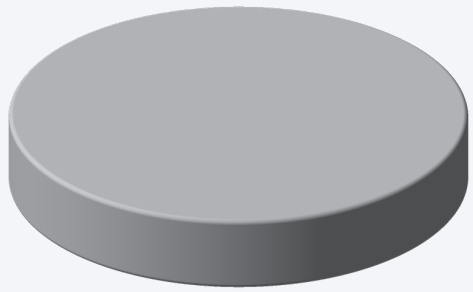
SPECIFICATION SHEET
Part no. D34X18N35-3M

# Disc Magnet

## 3/4 x 1/8 Inch (19.05 x 3.18 mm)

Diameter x Thickness

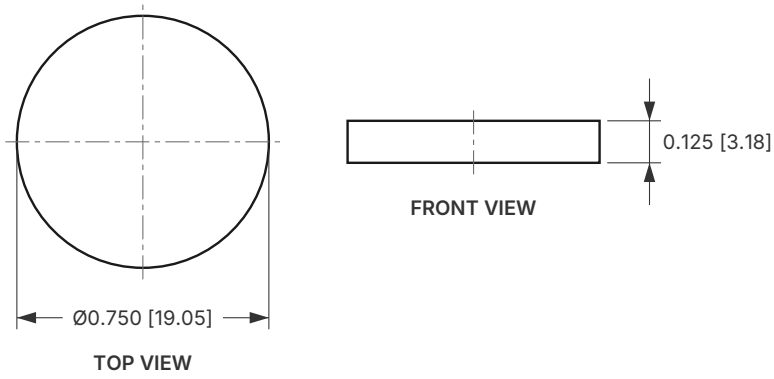
ISOMETRIC VIEW — Not to scale



SPECIFICATIONS

| | |
|---|---|
| DIAMETER | 0.750 Inch [19.05 mm] |
| THICKNESS | 0.125 Inch [3.18 mm] |
| TOLERANCE | ±0.004 Inch [±0.10 mm] |
| MATERIAL | Sintered Neodymium (NdFeB) |
| GRADE | N35 |
| COATING | Nickel-Copper-Nickel (Ni-Cu-Ni) |
| ADHESIVE | 3M VHB 4920 |
| MAGNETIZATION | Axially, through the thickness |
| PULL FORCE | 8.2 lbs (3.7 kg) |
| SURFACE FIELD | 1,913 Gauss (191 mT) |
| WEIGHT (EACH) | 7.1 g (0.25 oz) |

DIMENSIONS Inch [mm] · not to scale




MAGNETIZATION




Axially magnetized through the 0.125 [3.18] thickness. Pole faces shown for illustration.

GRADE PROPERTIES · N35

| PROPERTY | SI | CGS / IMPERIAL |
|---|---|---|
| Remanence (Br) | 1.17–1.22 T | 11.7–12.2 kG |
| Coercivity (Hcb) | ≥ 859 kA/m | ≥ 10.8 kOe |
| Intrinsic coercivity (Hcj) | ≥ 955 kA/m | ≥ 12 kOe |
| Max. energy product (BH)max | 263–287 kJ/m³ | 33–36 MGOe |
| Max. operating temperature | 80 °C | 176 °F |

Typical values for sintered NdFeB of grade N35 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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