

## JCN52-RG12-5-H4 Specification Sheet

### Product Specifications

|                          |  |
|--------------------------|--|
| Dimensions:              | 12mm x 5mm Hole 4mm thick                          |
| Tolerances:              | Tolerances $\pm 0.1\text{mm}$ x $\pm 0.1\text{mm}$ |
| Material:                | NdFeB, Grade N45                                   |
| Plating/Coating:         | Ni-Cu-Ni (Nickel)                                  |
| Magnetization Direction: | Axial (Poles on Flat Ends)                         |
| Surface Field*:          | -2133 Gauss  |
| Max Operating Temp:      | 176°F (80°C)                                       |
| Brmax:                   | 14,800 Gauss                                       |
| BHmax:                   | 52 MGOe  |

\* Field results are obtained from calculations with lab testing. The results are the surface field values at the surface of the magnet, centered on the axis of magnetization.



### Performance (Approx. Pull Force)

Magnet to a Steel Plate: 9.78 LB  
Between 2 Steel Plates: 16.16 LB  
Magnet to Magnet: 9.78 LB

Different configurations of magnets and surrounding ferromagnetic materials may substantially alter your pull force results.