

## ONYX® 2" IC Target, MAG.II

### US Specifications

#### Construction

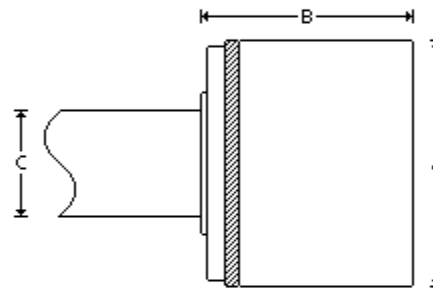
Anode	304 Stainless Steel
Cathode Body	OFHC Copper
Insulator	CTFE

#### Cooling Requirements

Flow Rate at Maximum Power	0.75 GPM
Maximum Input Pressure, Open Drain	60 psi
Maximum Input Temperature	68 °F

#### Dimensions

A	2.813"
B	2.826"
C	0.750"



#### General

Magnetic Enhancement	Permanent (NdFeB) Encapsulated
Maximum Temperature	212 °F
Source to Substrate Distance	2.000" - 12.000"
Weight, Approximate Without Options	3 lb

#### Maximum Sputtering Power \*

Cathode Voltage	100 - 1500 Volts
Discharge Current	0.1 - 2 Amps
Indirect Cooled Mode, DC	1 kW
Indirect Cooled Mode, RF	600 Watts
Operating Pressure	0.5 - 50 mTorr

### Mounting, Standard

Power Cable, DC	1675A
Power Cable, RF	1675A
Power Connector, DC	Type N Connector, External Threads
Power Connector, RF	Type HN Connector, External Threads
Stem, Outer Dimension Tubing	0.750"
Water, Outer Dimension Tubing	0.250"

### Target

Cooling	Indirect
Diameter	2.000"
Form	Circular / Planar
Thickness, Magnetic	Up to 0.125" Ni
Thickness, Non-Magnetic	0.010" - 0.375"

### Specifications Disclaimer

- All Angstrom Sciences NdFeB magnets are totally encapsulated and protected from degradation by water.
- All sources are available in external configurations.
- Magnetic material calculations are optimized with Nickel targets.
- \* Maximum power for cathode only, a target material's properties, such as, thermal and electrical conductivity may limit the maximum process power level.
- Some custom-engineered and specialty magnetrons may not meet standard specifications.
- Specifications are subject to change without notice.
- Thickness will vary depending upon coercivity of target material.
- Typical performance. Results may vary with process parameters such as pressure, flow rate, target material, and substrate rotation, etc.

Please contact us for specifications regarding your application.

Angstrom Sciences | Call +1-412-469-8466 | [www.angstromsciences.com](http://www.angstromsciences.com)