

## ONYX® 10" Ultra High Vacuum, IC Target, Standard Magnetics

### US Specifications

#### Construction

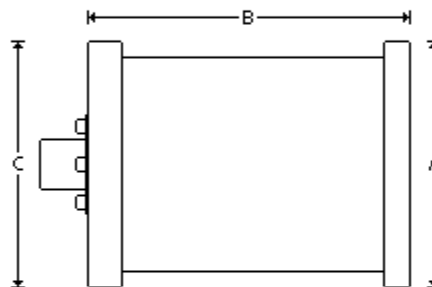
Anode	304 Stainless Steel
Cathode Body	OFHC Copper
Insulator	Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )

#### Cooling Requirements

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

#### Dimensions

A	Consult Factory
B	Consult Factory
C	Consult Factory



#### General

Magnetic Enhancement	Permanent (NdFeB) Encapsulated
Maximum Temperature, Magnets Demounted	842 °F
Maximum Temperature, Magnets Mounted	212 °F
Source to Substrate Distance	2.000" - 12.000"
Weight, Approximate Without Options	Consult Factory

#### Maximum Sputtering Power \*

Cathode Voltage	Consult Factory
Discharge Current	Consult Factory
Indirect Cooled Mode, DC	Consult Factory
Indirect Cooled Mode, RF	Consult Factory
Operating Pressure	Consult Factory

### Mounting, Standard

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CF Flange	Consult Factory
Power Connector, DC	Consult Factory
Power Connector, RF	Consult Factory
Water, Outer Dimension Tubing	Consult Factory

### Target

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Cooling	Indirect
Diameter	Consult Factory
Form	Circular / Planar
Thickness	Consult Factory

### Specifications Disclaimer

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- All Angstrom Sciences NdFeB magnets are totally encapsulated and protected from degradation by water.
  - All sources are available in external configurations.
  - \* 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.
  - Typical performance. Results may vary with process parameters such as pressure, flow rate, target material, and substrate rotation, etc.
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Please contact us for specifications regarding your application.

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