ANGSTROM SCIENCES
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ONYX® 12" Ultra High Vacuum, IC Target, Standard Magnetics

US Specifications

Construction

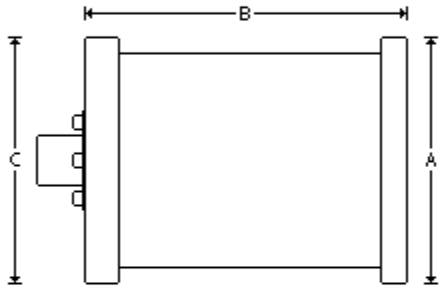
Anode	304 Stainless Steel
Cathode Body	OFHC Copper
Insulator	Aluminum Oxide (Al_2O_3)

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

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

Target

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

Specifications Disclaimer

- 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.

Please contact us for specifications regarding your application.