

ONYX® 6.75" Rotary, DC / IC Target, High Uniformity Magnetics

US Specifications

Construction

Anode	304 Stainless Steel
Cathode Body	OFHC Copper
Insulator	PTFE / CTFE

Cooling Requirements

Flow Rate at Maximum Power	2.5 GPM
Maximum Input Pressure, Open Drain	60 psi
Maximum Input Temperature	68 °F

Dimensions

A	Consult Factory	
B	Consult Factory	

General

Magnetic Enhancement	Permanent (NdFeB) Encapsulated
Maximum Temperature	212 °F
Source to Substrate Distance	2.000" - 12.000"
Weight, Approximate Without Options	70 lb

Maximum Sputtering Power *

Cathode Voltage	100 - 1500 Volts
Direct Cooled Mode, DC	9 kW
Direct Cooled, Mode, RF	Consult Factory
Discharge Current	18 Amps
Indirect Cooled Mode, DC	Consult Factory
Indirect Cooled Mode, RF	Consult Factory
Operating Pressure	1 - 50 mTorr

Mounting, Standard

Cathode Mounting	Flange
Power Connector, DC	7/16 DIN
Power Connector, RF	7/16 DIN
Water, Outer Dimension Tubing	0.375"

Power Requirements

Drive	110 / 220 Volts
Readout	110 / 220 Volts

Target

Cooling	Direct / Indirect
Diameter	6.750"
Form	Circular / Planar
Thickness	0.250" / 0.500"

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.
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Please contact us for specifications regarding your application.

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