

ONYX® 9.25" Rotary, DC / IC Target, High Uniformity Magnetics

US Specifications

Construction

| | |
|--------------|---------------------|
| Anode | 304 Stainless Steel |
| Cathode Body | OFHC Copper |
| Insulator | Consult Factory |

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 | |

General

| | |
|-------------------------------------|--------------------------------|
| Magnetic Enhancement | Permanent (NdFeB) Encapsulated |
| Maximum Temperature | Consult Factory |
| Source to Substrate Distance | Consult Factory |
| Weight, Approximate Without Options | Consult Factory |

Maximum Sputtering Power *

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

Mounting, Standard

| | |
|-------------------------------|-----------------|
| Cathode Mounting | Flange |
| Power Connector, DC | Consult Factory |
| Power Connector, RF | Consult Factory |
| Water, Outer Dimension Tubing | Consult Factory |

Power Requirements

| | |
|---------|-----------------|
| Drive | Consult Factory |
| Readout | Consult Factory |

Target

| | |
|-----------|-------------------|
| Cooling | Direct / 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.
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Please contact us for specifications regarding your application.

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