ANGSTROM SCIENCES
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# ONYX® 6" CD / DVD, IC Target, High Rate Magnetics

Metric Specifications

## Construction

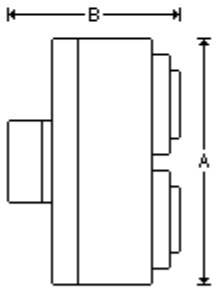
| | |
|---|---|
| Anode | 304 Stainless Steel |
| Cathode Body | OFHC Copper |
| Insulator | PTFE / CTFE |

## Cooling Requirements

| | |
|---|---|
| Flow Rate at Maximum Power | 0.16 LPS |
| Maximum Input Pressure, Open Drain | 4 BAR |
| Maximum Input Temperature | 20 °C |

## Dimensions

| | |
|---|---|
| A | Consult Factory |
| B | Consult Factory |




## General

| | |
|---|---|
| Magnetic Enhancement | Permanent (NdFeB) Encapsulated |
| Maximum Temperature | 100 °C |
| Source to Substrate Distance | 25.4 mm - 203.2 mm |
| Weight, Approximate Without Options | Consult Factory |

## Maximum Sputtering Power *

| | |
|---|---|
| Cathode Voltage | 100 - 1500 Volts |
| Discharge Current | 20 Amps |
| Indirect Cooled Mode, DC | 10 kW |
| Indirect Cooled Mode, RF | Consult Factory |
| Operating Pressure | 0.5 - 50 mTorr |

## Mounting, Standard

| | |
|---|---|
| Cathode Mounting | Flange |
| Power Connector, DC | 7/16 DIN |
| Water, Outer Dimension Tubing | 12.7 mm |

## Target

| | |
|---|---|
| Cooling | Indirect |
| Diameter | 152.4 mm |
| 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.