

ONYX® 11.75" DC / IC Target | MAG.II

US Specifications

Construction

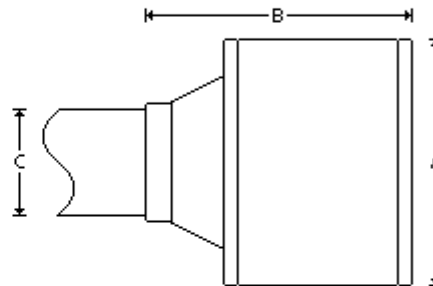
| | |
|--------------|---------------------|
| Anode | 304 Stainless Steel |
| Cathode Body | OFHC Copper |
| Insulator | Consult Factory |

Cooling Requirements

| | |
|------------------------------------|-----------------|
| Flow Rate at Maximum Power | Consult Factory |
| Maximum Input Pressure, Open Drain | Consult Factory |
| Maximum Input Temperature | Consult Factory |

Dimensions

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

| | |
|-------------------------------|-----------------|
| Power Cable, DC | Consult Factory |
| Power Cable, RF | Consult Factory |
| Power Connector, DC | Consult Factory |
| Power Connector, RF | Consult Factory |
| Stem, Outer Dimension Tubing | Consult Factory |
| Water, Outer Dimension Tubing | Consult Factory |

Target

| | |
|-------------------------|-------------------|
| Cooling | Direct / Indirect |
| Diameter | Consult Factory |
| Form | Circular / Planar |
| Thickness, Magnetic | Consult Factory |
| Thickness, Non-Magnetic | 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.
- Magnetic material calculations are optimized with Nickel targets.
- * 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.
- Thickness will vary depending upon coercivity of target material.
- 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.

Angstrom Sciences | Call +1-412-469-8466 | www.angstromsciences.com