

ONYX® 7" High Power RF, Standard Magnetics

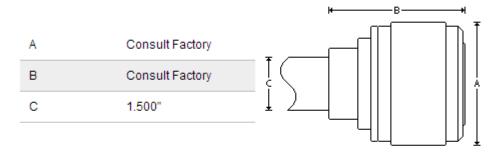
US Specifications

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		

68 °F

Dimensions

Maximum Input Temperature



General

Permanent (NdFeB) Encapsulated
212 °F
2.000" - 12.000"
Consult Factory

Maximum Sputtering Power *

Cathode Voltage	100 - 1500 Volts
Direct Cooled Mode, DC	9 kW
Direct Cooled Mode, RF	3 kW
Discharge Current	18 Amps
Indirect Cooled Mode, DC	4 kW
Indirect Cooled Mode, RF	1 kW
Operating Pressure	0.5 - 50 mTorr

Mounting, Standard

Power Cable, DC	Dual 1675A
Power Cable, RF	Dual 1675A
Power Connector, DC	Dual HN Connector, External Threads
Power Connector, RF	Dual HN Connector, External Threads
Stem, Outer Dimension Tubing	1.500"
Water, Outer Dimension Tubing	0.375"

Target

Cooling	Direct / Indirect
Diameter	7.000"
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.

Please contact us for specifications regarding your application.

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