

ONYX® 3" High Power RF, Standard Magnetics

US Specifications

Construction		
	Anode	304 Stainless Steel
	Cathode Body	OFHC Copper
	Insulator	CTFE
C	ooling Requirements	
	Flow Rate at Maximum Power	0.75 GPM
	Maximum Input Pressure, Open Drain	60 psi
	Maximum Input Temperature	68 °F

Dimensions

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A	Consult Factory	
В	Consult Factory	_ t
С	0.750"	
		74 11

General

Indirect Cooled Mode, RF

Operating Pressure

Magnetic Enhancement	Permanent (NdFeB) Encapsulated			
Maximum Temperature	212 °F			
Source to Substrate Distance	2.000" - 12.000"			
Weight, Approximate Without Options	Consult Factory			
Maximum Sputtering Power *				
Cathode Voltage	100 - 1500 Volts			
Discharge Current	0.1 - 3 Amps			
Indirect Cooled Mode, DC	1.5 kW			

700 Watts

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	0.750"
Water, Outer Dimension Tubing	0.250"

Target

Cooling	Indirect
Diameter	3.000"
Form	Circular / Planar
Thickness	0.010" - 0.375"

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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