

Molybdenum Disc

Applications: Be made to the thyristor silicon parts and its electric parts supporting base material.

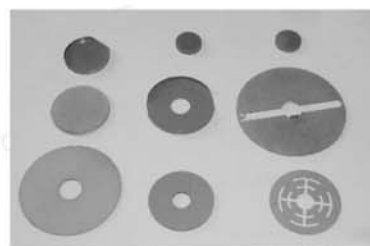
Characteristics: They have smooth and clean surface, their flat roughness is down to Ra 1.6. They have good conduction, small linear expansion coefficient and good heat-resistance.

Specifications: We can produce according to the demands of our customers.

Diameter range is from 7 to 100 mm, thickness range is from 0.8 to 4.0 mm. square piece 4~25mm², thickness 0.5~1.5mm.

Parameters: Density: 10.15g/cm³ Linear expansion coefficient: $4.0 \times 10^{-6} \text{K}^{-1} \sim 6.4 \times 10^{-6} \text{K}^{-1}$

Resistivity: Less than $6.26 \times 10^{-6} \Omega \cdot \text{cm}$.



Main Impurity Contents, No More Than %

Fe	Ni	Al	Si	Ca	Mg	P	C	O	N
0.006	0.003	0.002	0.003	0.002	0.002	0.001	0.010	0.006	0.003

specifications

unit:mm

NO.	O . DIA (ΦA)	I.DIA (ΦB)	THICKNESS (T)	PARALLELISM (II)	FLATNESS (□)
1	23.5±0.05	7.2~7.3	0.5±0.05	0.25	0.015
2	38±0.05		2.05~1.75		0.01
3	63.5±0.05		2.25~2.55		0.01
4	49.7±0.05		2.25~2.55		0.01
5	29.7±0.05		1.3±0.05		0.01
6	77.45±0.05		3.2±0.08		0.01
7	19.06±0.05		1~0.8		0.015
8	23.82±0.05		1.05~0.95		0.015
9	94±0.05	10.5~10.6	3.0~0.1	0.01	0.008
10	5~150		0.2~60		

Molybdenum Disc with Rhodium Plated

Material: Molybdenum 99.95% produced from rolled Mo-sheet.

The disc shall be plated with 0.3-0.4 μm rhodium. No cracks from punching or other operations are allowed.

All edges absolute free from burrs. The faces must be free from spots, pip marks, scratches etc.

The coating must not show flaws or flake off when testing the adhesion with adhesive tape.

Article No.	Description	ΦA±0.05	T ^{+0.1} ₀	B±0.1
5SXC96-0052	Mo-disc(A)YST 35F	64.6	2	1.5
5SXC96-0053	Mo-disc(A)YST 45F	78.1	2.5	2
5SXC96-0054	Mo-disc(A)YST 60F	89	3	2.5
5SXC96-0059	Mo-disc(A)YST 90F	108	3.5	3

Note: The drawing is Fig.M1 of page 31.