

Aluminium oxide wafers

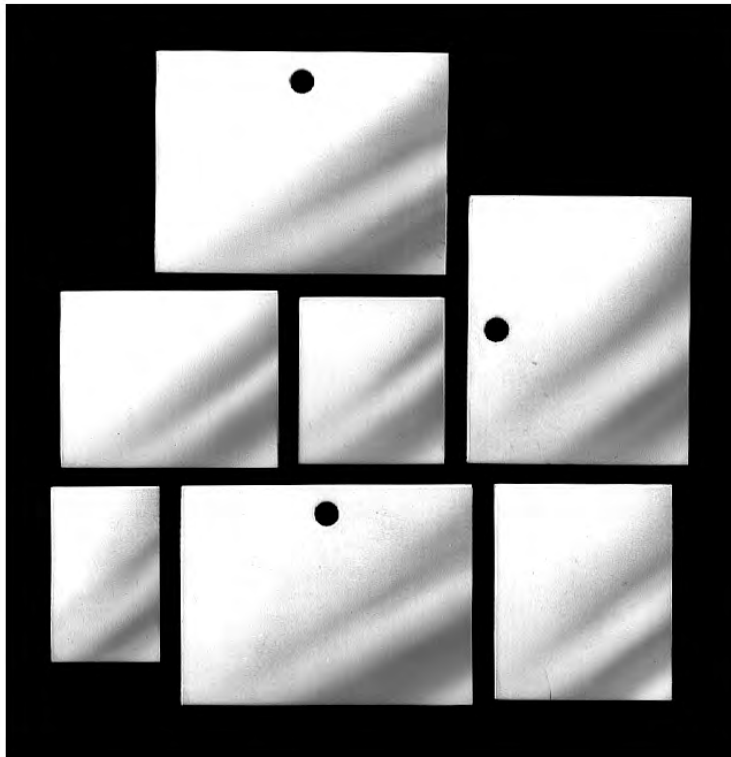
– other thicknesses and versions on request

± = thickness; □ = flatness

art. no. AOS 247 ± 1 mm □ 0.02 mm	art. no. AOS 218 247 ± 3 mm □ 0.02 mm	art. no. AOS 218 247 1 ± 1.5 mm □ 0.02 mm	art. no. AOS 3 P 2 ± 1 mm □ 0.02 mm	art. no. AOS 3 P SL ± 1.5 mm □ 0.02 mm
art. no. AOS 220 3 ± 1.6 mm □ 0.02 mm	art. no. AOS 220 SL ± 4.5 mm □ 0.02 mm	art. no. AOS 220 4 ± 1.5 mm □ 0.02 mm	art. no. AOS 220 ± 1.5 mm □ 0.02 mm	art. no. AOS 32 ± 1.5 mm □ 0.02 mm
art. no. AOS 127 ± 3 mm □ 0.02 mm	art. no. AOS 3 P ± 1.5 mm □ 0.02 mm	art. no. AOS 5 ± 1.5 mm □ 0.02 mm	art. no. AOS 93 ± 2.3 mm □ 0.02 mm	art. no. AOS 18 ± 1.5 mm □ 0.02 mm
art. no. AOS 3 ± 3 mm □ 0.02 mm	art. no. AOS 66 ± 2.5 mm □ 0.02 mm			
AOS				
material	Al ₂ O ₃ - ceramics			
specific electrical resistance	> 10 ¹⁴ Ω/cm			
thermal conductivity	25 W/m·K			
dielectric constant	9			
linear expansion coefficient	~8·10 ⁻⁶ /K			
thermal resistance	0.3 K/W [at 1 inch ² ; = 6.45 cm ² ; = TO 3 (AOS 3 G)]			
dielectric strength	10 kV/mm			

Aluminium oxide wafers according to customer's instructions

- laser-cut versions with outer dimensions and cutouts according to customer's requirements
- other plate dimensions upon request



material thickness [mm]	outer dimensions [mm]
0.250	106,6x106,6
0.300	
0.400	114.3x114.3
0.500	106,6x106,6/ 160x113
0.635	106,6x106,6/ 160x113/ 180x113
0.800	114.3x114.3/ 160x113/ 165x114
1.000	114.3x114.3/ 160x113/ 165x114/ 180x130
1.270	114.3x114.3
1.500	114.3x114.3/ 290x100
2.000	114.3x114.3
2.540	

A

B

C

D

E

F

G

H

I

K

L

M

N

