

Aluminium oxide wafers

art. no. AOS 3 G ± 3 mm □ 0.1	art. no. AOS 3 ± 2.9 mm □ 0.123	art. no. AOS 3 P ± 1.5 mm □ 0.061	art. no. AOS 3 P SL ± 1.5 mm □ 0.15	art. no. AOS 3 P 2 ± 1 mm □ 0.15
art. no. AOS 66 ± 2.5 mm □ 0.10	art. no. AOS 218 247 ± 3 mm □ 0.15	art. no. AOS 218 247 1 ± 1.5 mm □ 0.02	art. no. AOS 220 ± 1.5 mm □ 0.054	art. no. AOS 220 4 ± 1.5 mm □ 0.054
art. no. AOS 220 3 ± 1.6 mm □ 0.11	art. no. AOS 247 ± 1 mm □ 0.02	art. no. AOS 220 SL ± 4.5 mm □ 0.054	art. no. AOS 127 ± 3 mm □ 0.076	art. no. AOS 93 ± 2.3 mm □ 0.03
art. no. AOS 32 ± 1.5 mm □ 0.033	art. no. AOS 18 ± 1.5 mm □ 0.023	art. no. AOS 5 ± 1.5 mm □ 0.032		

± = thickness; □ = flatness
other thicknesses and versions on request

material	Al ₂ O ₃ - ceramics
thermal resistance	0,3K/W
specific electrical resistance	> 10 ¹⁴ Ω/cm
thermal conductivity	25 W/mK
dielectric constant	9
linear expansion coefficient	~8·10 ⁻⁶ /K
snap through stability	10 KV/mm

Profiles for PCB components
Heatsinks for PCB
Profiles for PCB mounting
Heatsinks for transistors

→ A ?
→ A ? - ?
→ A ? - ?
→ C ? - ?

Finger-shaped heatsinks
Distance sleeves
Spacers
GEL thermal conductive foil

→ C ? - ?
→ E ? - ?
→ E ? - ?
→ E ?

A

Aluminium oxide wafers

B

Aluminium oxide wafers according to customer's instructions

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

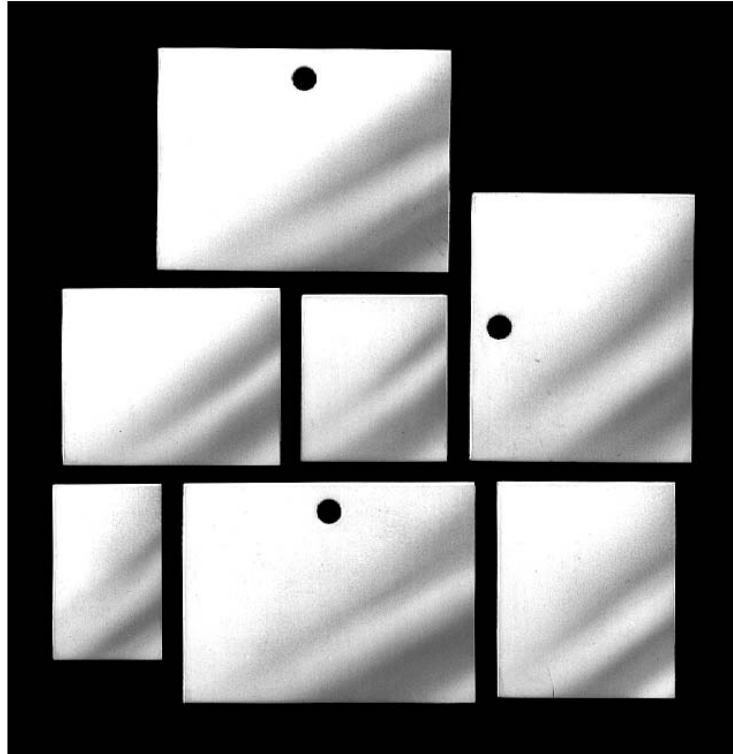
C

D

E

F

G



H

I

K

L

M

material thickness [mm]	outer dimensions [mm]
2.540	114 x 114
2.000	114 x 114
1.500	114 x 114
1.270	114 x 114
1.000	114 x 114/ 160 x 113/ 165 x 115
0.800	114 x 114/ 160 x 113/ 165 x 115
0.635	106,5 x 106,5/ 114 x 114/ 160 x 113/ 165 x 115
0.500	106,5 x 106,5/ 114 x 114
0.400	106,5 x 106,5/ 114 x 114
0.300	106,5 x 106,5/ 114 x 114
0.250	106,5 x 106,5/ 114 x 114

N

E 3

Heatsinks for transistors → C ? - ?
Finger-shaped heatsinks → C ? - ?
Insulating clamping parts → E ?
Mounting material for semiconduct. → E ? - ?

Kapton insulator washers → E ?
GEL thermal conductive foil → E ?
Insulator sleeves → E ?
Heatsinks for PCB → A ?

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