

## Aluminium oxide wafers

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

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

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

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

→ A ?  
→ A ? - ?  
→ A ? - ?  
→ C ? - ?

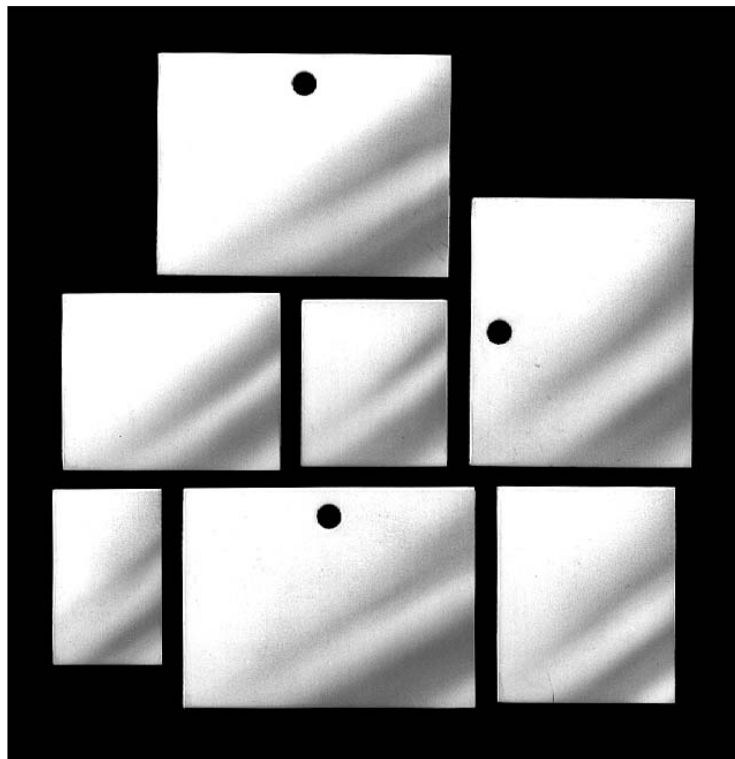
Finger-shaped heatsinks  
Distance sleeves  
Spacers  
GEL thermal conductive foil

→ C ? - ?  
→ E ? - ?  
→ E ? - ?  
→ E ?

## Aluminium oxide wafers

### 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



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

**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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