

Aluminium oxide wafers

– other thicknesses and versions on request

\pm = thickness; \square = flatness

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

AOS	
material	Al ₂ O ₃ - ceramics
thermal resistance	0.3 K/W [at 1 inch ² ; = 6.45 cm ² ; = TO 3 (AOS 3 G)]
specific electrical resistance	>10 ¹⁴ Ω/cm
thermal conductivity	25 W/m·K
dielectric constant	9
linear expansion coefficient	~8·10 ⁻⁶ /K
snap through stability	10 kV/mm