

Single Crystal Substrates



A single crystal is a material in which the crystal lattice of the entire sample is continuous and unbroken to the edges of the sample, with no grain boundaries. The absence of the defects associated with grain boundaries can give single crystals unique properties, particularly mechanical, optical and electrical. These properties, in addition to making them precious in some gems, are industrially used in technological applications, especially in optics and electronics.

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38498	Aluminum oxide substrate, 10x10x0.5mm, polished one side, A plane
38497	Aluminum oxide substrate, 10x10x0.5mm, polished one side, C plane
38499	Aluminum oxide substrate, 10x10x0.5mm, polished one side, M plane
38500	Aluminum oxide substrate, 10x10x0.5mm, polished one side, R plane
41426	Aluminum oxide substrate, 10x10x0.5mm, polished two sides, A plane
41430	Aluminum oxide substrate, 10x10x0.5mm, polished two sides, M plane
40280	Aluminum oxide substrate, 10x10x1mm, polished one side, A plane
40281	Aluminum oxide substrate, 10x10x1mm, polished one side, C plane
40282	Aluminum oxide substrate, 10x10x1mm, polished one side, R plane
41433	Aluminum oxide substrate, 10x10x1mm, polished two sides, R plane
43248	Aluminum oxide substrate, 12.7x12.7x1mm, polished one side, C plane
43246	Aluminum oxide substrate, 12.7x12.7x1mm, polished one side, M plane
43247	Aluminum oxide substrate, 12.7x12.7x1mm, polished one side, R plane
41434	Lanthanum aluminum oxide substrate, 10x10x0.5mm, polished 2 sides, 100 orientation
 38501	Lanthanum aluminum oxide substrate, 10x10x0.5mm, polished one side, 100 orientation
 38495	Lanthanum aluminum oxide substrate, 10x10x1mm, polished one side, 100 orientation
40272	Magnesium oxide substrate, 10x10x0.5mm, polished one side, 110 orientation
40273	Magnesium oxide substrate, 10x10x0.5mm, polished one side, 111 orientation

41436	Magnesium oxide substrate, 10x10x0.5mm, polished two sides, 100 orientation
38503	Magnesium oxide substrate, 10x10x1mm, polished one side, 100 orientation
40274	Magnesium oxide substrate, 10x10x1mm, polished one side, 110 orientation
41437	Magnesium oxide substrate, 10x10x1mm, polished two sides, 100 orientation
38504	Neodymium gallium oxide substrate, 10x10x0.5mm, polished one side, 110 orientation
45016	Sapphire substrate, 10x10x0.432mm, EPI polished one side, C-axis, LED grade
45017	Sapphire substrate, 10x10x0.432mm, EPI polished two sides, C-axis, LED grade
45018	Sapphire substrate, 50.8mm dia x 0.332mm thick, EPI polished one side, C-axis, HEMCOR single crystal
45020	Sapphire substrate, 50.8mm dia x 0.332mm thick, EPI polished two sides, C-axis, HEMCOR single crystal
45019	Sapphire substrate, 50.8mm dia x 0.432mm thick, EPI polished one side, C-axis, HEMCOR single crystal
45021	Sapphire substrate, 50.8mm dia x 0.432mm thick, EPI polished two sides, C-axis, HEMCOR single crystal
38505	Spinel substrate, 10x10x0.5mm, polished one side, 100 orientation
38506	Strontium titanium oxide substrate, 10x10x0.5mm, polished one side, 100 orientation
40276	Strontium titanium oxide substrate, 10x10x0.5mm, polished one side, 110 orientation
40277	Strontium titanium oxide substrate, 10x10x0.5mm, polished one side, 111 orientation
41439	Strontium titanium oxide substrate, 10x10x0.5mm, polished two sides, 100 orientation
38507	Strontium titanium oxide substrate, 10x10x1mm, polished one side, 100 orientation
40278	Strontium titanium oxide substrate, 10x10x1mm polished one side, 110 orientation
40279	Strontium titanium oxide substrate, 10x10x1mm, polished one side, 111 orientation

41440	Strontium titanium oxide substrate, 10x10x1mm, polished two sides, 100 orientation
42620	Strontium titanium oxide substrate, 5x5x0.5mm, polished one side, 100 orientation
42619	Strontium titanium oxide substrate, 5x5x0.5mm, polished one side, 110 orientation
42668	Strontium titanium oxide substrate, 5x5x0.5mm, polished two sides, 100 orientation
42669	Strontium titanium oxide substrate, 5x5x0.5mm, polished two sides, 110 orientation
42594	Strontium titanium oxide substrate, 5x5x0.5mm, polished two sides, 111 orientation
42621	Strontium titanium oxide substrate, 5x5x1mm, polished one side, 100 orientation
42670	Strontium titanium oxide substrate, 5x5x1mm, polished two sides, 100 orientation
42671	Strontium titanium oxide substrate, 5x5x1mm, polished two sides, 110 orientation
42618	Strontium titanium oxide substrate, 6.25x6.25x0.5mm, polished one side, 100 orientation
42617	Strontium titanium oxide substrate, 6.25x6.25x0.5mm, polished one side, 110 orientation
45486	Zinc oxide substrate, 10x10x0.5mm, polished one side, 0001 orientation
45487	Zinc oxide substrate, 10x10x0.5mm, polished two sides, 0001 orientation

38508	Zirconium oxide Yttrium oxide substrate, 10x10x0.5mm, polished one side, 100 orientation
41442	Zirconium oxide Yttrium oxide substrate, 10x10x1mm, polished 2 sides, 100 orientation
38509	Zirconium oxide Yttrium oxide substrate, 10x10x1mm, polished one side, 100 orientation

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