

# Single Crystals



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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Ангарск (3955)60-70-56  
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Иваново (4932)77-34-06  
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Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Коломна (4966)23-41-49  
Кострома (4942)77-07-48  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Курган (3522)50-90-47  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Петрозаводск (8142)55-98-37  
Псков (8112)59-10-37  
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Саранск (8342)22-96-24  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35  
Сыктывкар (8212)25-95-17  
Тамбов (4752)50-40-97  
Тверь (4822)63-31-35

Тольятти (8482)63-91-07  
Томск (3822)98-41-53  
Тула (4872)33-79-87  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Улан-Удэ (3012)59-97-51  
Уфа (347)229-48-12  
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Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
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# Pure Element Single Crystals



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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13283	Aluminum single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, (100) orientation
13306	Aluminum single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, (110) orientation, $\pm 2^\circ$
13327	Aluminum single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, (111) orientation, $\pm 2^\circ$
13253	Aluminum single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, random orientation
13533	Aluminum single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (100) orientation
13532	Aluminum single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (110) orientation $\pm 0.5^\circ$
13531	Aluminum single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (111) orientation, $\pm 0.5^\circ$
13269	Antimony single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, (100) orientation
13293	Antimony single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, random orientation
13530	Antimony single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (100) orientation
13529	Antimony single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (110) orientation
13528	Antimony single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (111) orientation
13259	Bismuth single crystal, 15mm (0.59in) dia, 25mm (1in) long, (100) orientation
13288	Bismuth single crystal, 15mm (0.59in) dia, 25mm (1in) long, random orientation
13540	Bismuth single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick
13262	Cadmium single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, (100) orientation, $\pm 2^\circ$
13309	Cadmium single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, (110) orientation, $\pm 2^\circ$
13330	Cadmium single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, (111) orientation, $\pm 2^\circ$

13282	Cadmium single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, random orientation
13543	Cadmium single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (100) orientation, $\pm 0.5^\circ$
13542	Cadmium single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (110) orientation, $\pm 0.5^\circ$
13541	Cadmium single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (111) orientation, $\pm 0.5^\circ$
13268	Chromium single crystal, 8-10mm (0.3-0.4in) dia, (100) orientation, $\pm 2^\circ$
13310	Chromium single crystal, 8-10mm (0.3-0.4in) dia, (110) orientation, $\pm 2^\circ$
13331	Chromium single crystal, 8-10mm (0.3-0.4in) dia, (111) orientation, $\pm 2^\circ$
13289	Chromium single crystal, 8-10mm (0.3-0.4in) dia, random orientation
13547	Chromium single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (100) orientation, $\pm 0.5^\circ$
13549	Chromium single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (110) orientation, $\pm 0.5^\circ$
13548	Chromium single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (111) orientation, $\pm 0.5^\circ$
13301	Cobalt single crystal, 10-12mm (0.39-0.47in) dia, (0001) orientation, $\pm 2^\circ$
13302	Cobalt single crystal, 10-12mm (0.39-0.47in) dia, random orientation
13570	Cobalt single crystal disc, 10mm (0.39in) dia, 2-3mm (0.08-0.1in) thick, (0001) orientation, $\pm 0.5^\circ$
13295	Copper single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, (100) orientation
13311	Copper single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, (110) orientation, $\pm 2^\circ$
13332	Copper single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, (111) orientation

13263	Copper single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, random orientation
13571	Copper single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (100) orientation
13572	Copper single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (110) orientation
13573	Copper single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (111) orientation
42226	Germanium single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (100) orientation, $\pm 0.5^\circ$
42227	Germanium single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (110) orientation, $\pm 0.5^\circ$
42228	Germanium single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (111) orientation, $\pm 0.5^\circ$
13260	Gold single crystal, 10mm (0.39in) dia, 50mm (2.0in) long, (100) orientation
13312	Gold single crystal, 10mm (0.39in) dia, 50mm (2.0in) long, (110) orientation, $\pm 2^\circ$
13333	Gold single crystal, 10mm (0.39in) dia, 50mm (2.0in) long, (111) orientation, $\pm 2^\circ$
13266	Gold single crystal, 10mm (0.39in) dia, 50mm (2.0in) long, random orientation
13513	Gold single crystal disc, 10mm (0.39in) dia, 1-2mm (0.04-0.08in) thick, (100) orientation, $\pm 0.5^\circ$
13514	Gold single crystal disc, 10mm (0.39in) dia, 1-2mm (0.04-0.08in) thick, (110) orientation, $\pm 0.5^\circ$
13515	Gold single crystal disc, 10mm (0.39in) dia, 1-2mm (0.04-0.08in) thick, (111) orientation
13252	Indium single crystal, 15mm (0.59in) dia, 100mm (3.94in) long, random orientation

13561	Iridium single crystal disc, 10mm (0.39in) dia, 1-2mm (0.04-0.08in) thick, (100) orientation, $\pm 0.5^\circ$
13562	Iridium single crystal disc, 10mm (0.39in) dia, 1-2mm (0.04-0.08in) thick, (110) orientation, $\pm 0.5^\circ$
13563	Iridium single crystal disc, 10mm (0.39in) dia, 1-2mm (0.04-0.08in) thick, (111) orientation, $\pm 0.5^\circ$
43633	Iron single crystal, 9-10mm (0.35-0.39in) dia, 20mm (0.8in) long, random orientation
40613	Iron single crystal disc, 9-10mm (0.35-0.39in) dia, 1-2mm (0.04-0.08in) thick, (100) orientation, $\pm 1^\circ$
40615	Iron single crystal disc, 9-10mm (0.35-0.39in) dia, 1-2mm (0.04-0.08in) thick, (110) orientation, $\pm 1^\circ$
40612	Iron single crystal disc, 9-10mm (0.35-0.39in) dia, 1-2mm (0.04-0.08in) thick, (111) orientation, $\pm 1^\circ$
13280	Lead single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, (100) orientation, $\pm 2^\circ$
13315	Lead single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, (110) orientation $\pm 2^\circ$
13255	Lead single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, random orientation
13285	Molybdenum single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, (100) orientation
13317	Molybdenum single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, (110) orientation, zone refined
13338	Molybdenum single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, (111) orientation, zone refined
13273	Molybdenum single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, random orientation, zone refined
13536	Molybdenum single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (100) orientation
13535	Molybdenum single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (110) orientation
13534	Molybdenum single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (111) orientation
13297	Nickel single crystal, 18-20mm (0.71-0.79in) dia, 50mm (2.0in) long, (100) orientation

13318	Nickel single crystal, 18-20mm (0.71-0.79in) dia, 50mm (2.0in) long, (110) orientation
13339	Nickel single crystal, 18-20mm (0.71-0.79in) dia, 50mm (2.0in) long, (111) orientation, $\pm 2^\circ$
13291	Nickel single crystal, 18-20mm (0.71-0.79in) dia, 50mm (2.0in) long, random orientation
13511	Nickel single crystal disc, 10mm (0.4in) dia, 1-3mm (0.04-0.1in) thick, (111) orientation, $\pm 0.5^\circ$
13510	Nickel single crystal disc, 10mm (0.4in) dia, 2-3mm (0.08-0.1in) thick, (100) orientation
13512	Nickel single crystal disc, 10mm (0.4in) dia, 2-3mm (0.08-0.1in) thick, (110) orientation
40609	Niobium single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, (100) orientation, zone refined
40610	Niobium single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, (110) orientation, zone refined
40611	Niobium single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, (111) orientation, zone refined
13272	Palladium single crystal, 9-10mm (0.35-0.39in) dia, 50mm (2.0in) long, (100) orientation, $\pm 2^\circ$
13320	Palladium single crystal, 9-10mm (0.35-0.39in) dia, 50mm (2.0in) long, (110) orientation, $\pm 2^\circ$
13341	Palladium single crystal, 9-10mm (0.35-0.39in) dia, 50mm (2.0in) long, (111) orientation, $\pm 2^\circ$
13257	Palladium single crystal, 9-10mm (0.35-0.39in) dia, 50mm (2.0in) long, random orientation
13550	Palladium single crystal disc, 10mm (0.39in) dia, 1-2mm (0.04-0.08in) thick, (100) orientation, $\pm 0.5^\circ$
13551	Palladium single crystal disc, 10mm (0.39in) dia, 1-2mm (0.04-0.08in) thick, (110) orientation
13552	Palladium single crystal disc, 10mm (0.39in) dia, 1-2mm (0.04-0.08in) thick, (111) orientation, $\pm 0.5^\circ$
13258	Platinum single crystal, 9-10mm (0.35-0.39in) dia, 50mm (2.0in) long, (100) orientation, nominal

13321	Platinum single crystal, 9-10mm (0.35-0.39in) dia, 50mm (2.0in) long, (110) orientation, nominal
13342	Platinum single crystal, 9-10mm (0.35-0.39in) dia, 50mm (2.0in) long, (111) orientation, nominal
13299	Platinum single crystal, 9-10mm (0.35-0.39in) dia, 50mm (2.0in) long, random orientation, nominal
13555	Platinum single crystal disc, 10mm (0.39in) dia, 1-2mm (0.04-0.08in) thick, (100) orientation, nominal
13554	Platinum single crystal disc, 10mm (0.39in) dia, 1-2mm (0.04-0.08in) thick, (110) orientation, nominal
13553	Platinum single crystal disc, 10mm (0.39in) dia, 1-2mm (0.04-0.08in) thick, (111) orientation, nominal
13281	Rhodium single crystal, 10mm (0.4in) dia, (100) orientation, $\pm 0.5^\circ$
13322	Rhodium single crystal, 10mm (0.4in) dia, (110) orientation, $\pm 0.5^\circ$
13343	Rhodium single crystal, 10mm (0.4in) dia, (111) orientation, $\pm 0.5^\circ$
13287	Rhodium single crystal, 10mm (0.4in) dia, random orientation
13558	Rhodium single crystal disc, 10mm (0.4in) dia., 1-2mm (0.04-0.08in) thick, (100) orientation, $\pm 0.5^\circ$
13559	Rhodium single crystal disc, 10mm (0.4in) dia., 1-2mm (0.04-0.08in) thick, (110) orientation, $\pm 0.5^\circ$
13560	Rhodium single crystal disc, 10mm (0.4in) dia., 1-2mm (0.04-0.08in) thick, (111) orientation, $\pm 0.5^\circ$
13284	Ruthenium single crystal, 9-10mm (0.35-0.39in) dia, 50mm (2.0in) long, (0001) orientation
13270	Silver single crystal, 15mm (0.59in) dia, 100mm (3.9in) long, (100) orientation, $\pm 2^\circ$



13344	Silver single crystal, 15mm (0.59in) dia, 100mm (3.9in) long, (111) orientation, $\pm 2^\circ$
13296	Silver single crystal, 15mm (0.59in) dia, 100mm (3.9in) long, random orientation
13323	Silver single crystal, 15mm (0.59in) dia, 35mm (1.4in) long, (110) orientation, $\pm 2^\circ$
13807	Silver single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (100) orientation
13806	Silver single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (110) orientation
13805	Silver single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (111) orientation
13286	Tantalum single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, (100) orientation, zone refined
13324	Tantalum single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, (110) orientation, $\pm 2^\circ$ , zone refined
13275	Tantalum single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, random orientation, zone refined
13574	Tantalum single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (100) orientation, $\pm 0.5^\circ$ , zone refined
13575	Tantalum single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (110) orientation, $\pm 0.5^\circ$ , zone refined
13576	Tantalum single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (111) orientation, $\pm 0.5^\circ$ , zone refined
13264	Tin single crystal, 15mm (0.59in) dia, 100mm (3.9in) long, random orientation
13544	Tin single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (001) orientation, $\pm 0.5^\circ$
13546	Tin single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (100) orientation, $\pm 0.5^\circ$
13545	Tin single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (110) orientation, $\pm 0.5^\circ$
13325	Tungsten single crystal, 8-9mm (0.31-0.35in) dia, 100mm (3.9in) long, (110) orientation, $\pm 2^\circ$ , zone refined
13346	Tungsten single crystal, 8-9mm (0.31-0.35in) dia, 100mm (3.9in) long, (111) orientation, $\pm 2^\circ$ , zone refined

13290	Tungsten single crystal, 8-9mm (0.31-0.35in) dia, 100mm (3.9in) long, random orientation, zone refined
13524	Tungsten single crystal disc, 9mm (0.35in) dia, 2-3mm (0.08--0.1in) thick, (100) orientation, $\pm 0.5^\circ$ , zone refined
13523	Tungsten single crystal disc, 9mm (0.35in) dia, 2-3mm (0.08--0.1in) thick, (110) orientation, $\pm 0.5^\circ$ , zone refined
13254	Vanadium single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, (100) orientation, $\pm 2^\circ$
13326	Vanadium single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, (110) orientation, $\pm 2^\circ$
13347	Vanadium single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, (111) orientation, $\pm 2^\circ$
13267	Vanadium single crystal, 11-12mm (0.43-0.47in) dia, 100mm (3.9in) long, random orientation
13521	Vanadium single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (100) orientation, $\pm 0.5^\circ$
13520	Vanadium single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (110) orientation, $\pm 0.5^\circ$
13519	Vanadium single crystal disc, 10mm (0.39in) dia, 1-3mm (0.04-0.1in) thick, (111) orientation, $\pm 0.5^\circ$
13294	Zinc single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, (0001) orientation, $\pm 2^\circ$
13256	Zinc single crystal, 15mm (0.59in) dia, 50mm (2.0in) long, random orientation
13556	Zinc single crystal disc, 10mm (0.39in) dia, 2-3mm (0.08-0.1in) thick, (0001) orientation, $\pm 0.5^\circ$

# 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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40259	Aluminum oxide, single crystal
36649	Aluminum oxide, single crystal
40266	Aluminum oxide, single crystal
40265	Aluminum oxide, single crystal
40264	Aluminum oxide, single crystal
40263	Aluminum oxide, single crystal
40261	Aluminum oxide, single crystal
40257	Aluminum oxide, single crystal
40260	Aluminum oxide, single crystal
40267	Aluminum oxide, single crystal
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
41428	Aluminum oxide substrate, 10x10x0.5mm, polished two sides, C 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
36427	Magnesium oxide substrate, 10x10x0.5mm, 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

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