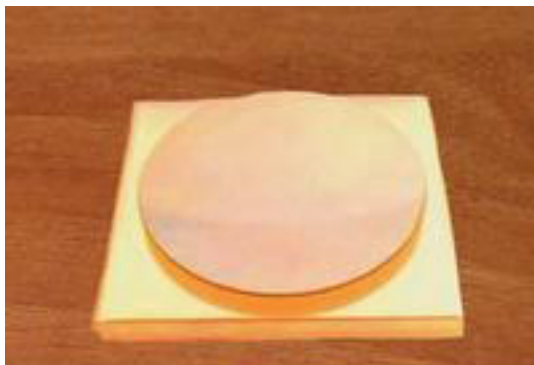


硒化镉晶体 CdSe



硒化镉是一种最适合红外光学晶体偏振器， $\lambda/4$ 和 $\lambda/2$ 波片、分光镜、基板、真空沉积源，

DFM 的频率转换器

参数：

结构	Wurtzite (Hexagonal)
密度:	5.81 g/ cm ³
杨氏模量:	5×10 ¹¹ dyne/cm ²
热膨胀系数 (500 K):	$\alpha_1=6.26 \times 10^{-6}/K$; $\alpha_3=4.28 \times 10^{-6}/K$
比热:	0.49 J/gK
导热系数 (at 25 °C):	0.04 W/cmK
最大透射率 ($\lambda = 2.5-15 \mu\text{m}$):	$\geq 71 \%$
吸收系数 ($\lambda = 10.6 \mu\text{m}$):	$\leq 0.0015 \text{ cm}^{-1}$ (including 2 surfaces)
折射率 ($\lambda = 10.6 \mu\text{m}$):	2.4258 (no), 2.4437 (ne)
电阻率	a). low: < 1 Ohm*cm b). high: > about 10 ¹¹ Ohm*cm
Max. single crystal diameter/length:	Ø40mm X L: 80 mm
Max. IR optic blank diameter/length:	Ø50mm X L:10 mm OR plate 50 mm X 15 mm X 12 mm

硒化镉晶体透射率测试曲线

AOE TECH CO.,LTD

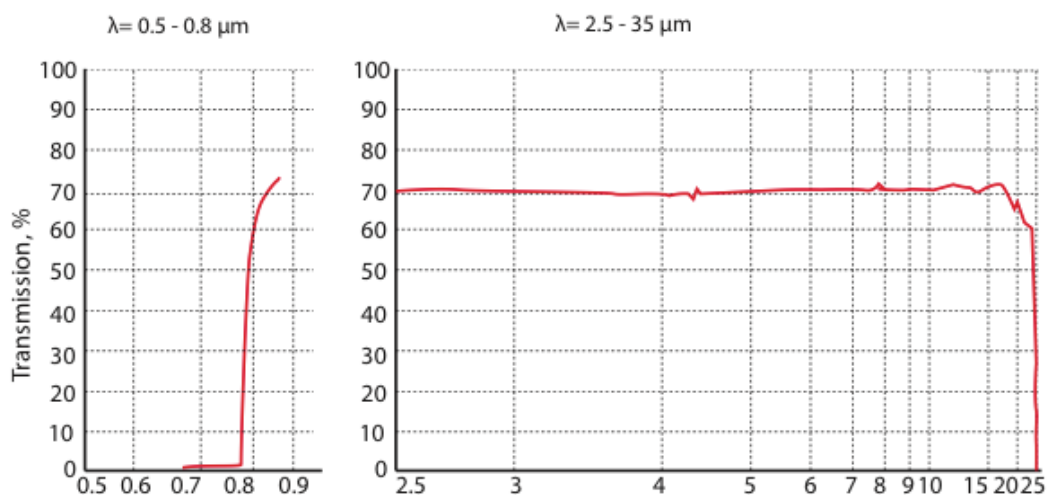
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CdSe rods, wafers and substrates

Diameter/Width	1-50 mm
Thickness/length	0.1-150 mm
Orientation	(0001), (10-10), (11-20)
Surface quality	As-cut, 80/50, 60/40 per MIL-0-13830

CdSe crystal pieces for vapour deposition

Purity	99.995%, 99.999%
Particle size	0.01- 10 mm

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