



我们提供以下配置的太赫兹棱镜：

- 传统（直角）棱镜。这种类型用于光学方案设计。
- 衰减全反射(ATR)棱镜。这些特殊的棱镜用来研究一些在透射中难以进行分析的材料。

Absorption spectroscopy of materials with intensive absorption becomes practically impossible because of intensive absorption and Fresnel reflection. In this case the most suitable method of investigation absorbing materials is method of frustrated total internal reflection. This method is based on the effect of reducing of reflection coefficient of radiation from interface between high refractive index medium n_0 and absorbing medium with less refractive index n at the angle of incidence that exceeds the critical angle $\Theta_c = \arcsin(n/n_0)$. Value of reflection coefficient depends on the angle of radiation incidence, radiation polarization as well as refractive index of the sample. Right choice of prism parameters (specifically base angle of the prism) allows obtaining good ATR spectrum. Method of frustrated total internal reflection in THz range allows investigating materials with absorption coefficients from 10^2 to 10^4 cm^{-1} .

常用规格：

材料	HRFZ-Si (高阻硅)
厚度公差, mm	+/-0.2
角度公差, mm	+/-30
抛光面表面质量, scr/dig	80/50
底面表面质量, Ra	2.5
表面精度, mm	+/-0.01 与理想平面的偏差

太赫兹棱镜是根据客户要求来生产的。如果需要报价或交货请与我们联系。多种型号规格的产品都备有库存，可以在一周内发货。可以在我们的官网上检查库存情况。