

LN 普克尔斯盒

LN Pockels Cells



拥有较好的电光性能，非线性系数大，光学均匀性好，机械及化学性能稳定，不潮解，半波电压低，可应用于高重复频率条件，其缺点是消光比低，抗损伤阈值低。LN 电光调 Q 开关应用广泛，常被应用于 Er:YAG, Ho:YAG, Tm:YAG 激光器中，适应于低功率调 Q 输出，尤其在激光测距领域发挥着重要的作用。本公司推出 LN 电光开关和电光调制器可为客户提供最优化的设计，可按客户要求改变外壳 图纸，便于最终调试与应用。

Optoelectronics has good electro-optic performance, large nonlinear coefficient, good optical uniformity, stable mechanical and chemical properties, no deliquescent, low half-wave voltage, and can be applied to high repetition rate conditions. It is low in extinction ratio and low in damage resistance threshold. LN electro-optic Q-switches are widely used in Er:YAG, Ho:YAG, Tm:YAG lasers, and are suitable for low-power Q-switched output, especially in laser ranging. The company's introduction of LN electro-optic switches and electro-optic modulators provides customers with the most compact design, and can change the housing drawings according to customer requirements for final debugging and application.

主要特点 Features

- 非线性光学系数大

Large nonlinear optical coefficient

- 接收角大

Large receiving angle

- 走离角小

Small walk-off angle

- 宽的温度和光谱带宽

Wide temperature and spectral bandwidth

- 光电系数高和介电常数低

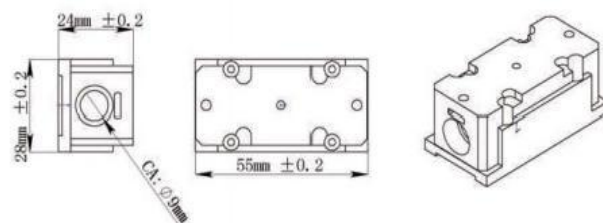
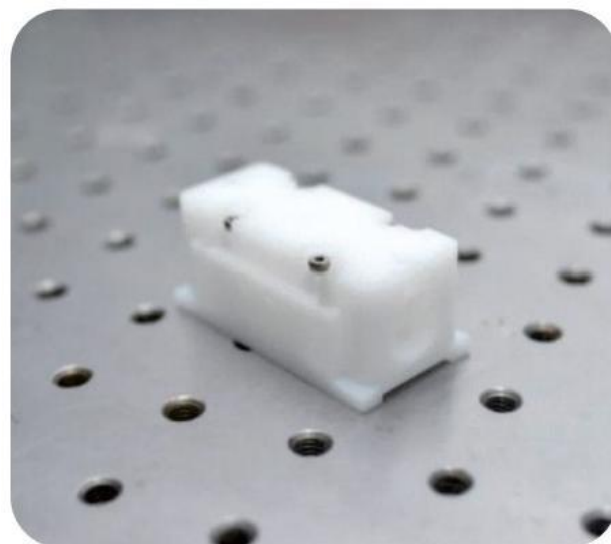
High photorefractive coefficient and low dielectric constant · Large resistance ratio

- 不吸水，化学、机械性能稳定

Non-absorbent, stable chemical and mechanical properties

- 抗阻比值大

High resistance ratio



武汉泰肯光电科技有限公司 Phone: 18154333926 / 18500085825

邮箱: ox3_frank@163.com

性能参数:

通光口径:	2.5mm	5mm	8mm	9mm
半波电压	400V@633nm	800V@633nm		
四分之一波电压			1900V @1064nm	2100V
电容值	5pF	5pF	5pF	5pF
有效通光口径	≥90%			
消光比:	200:1			
波前畸变:	<λ/4 @633nm			
光损伤阈值:	≥100 MW/cm ² 1064nm 10ns 10Hz (LN) ≥200 MW/cm ² 1064nm 10ns 10Hz (MgO:LN)			
波长范围:	420-5200nm			
光折变	<3%			