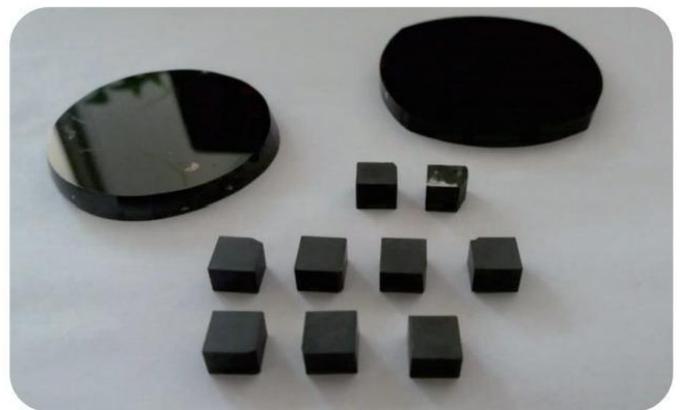


掺铬钇铝石榴石 (Cr⁴⁺: YAG) 是一种性能极佳的用于钇钇铝石榴石、掺钇 YLF、掺钇钒酸钇等掺钇和其他波长其波长为 0.8~1.2μm 的掺钇或掺钇激光器的被动调 Q 开关的晶体。通过被动调 Q 开关或饱和吸收体在无需电光开关的情况下得到充足的激光脉冲。因此减小了尺寸, 排除了提供高压能量的需要。它将在被动调 Q 开关领域取代常用的 LiF 和染料而成为是 1μm 掺 Nd 激光器的理想选择。

Chrome-doped yttrium aluminum garnet (Cr⁴⁺:YAG) is an excellent performance for yttrium aluminum garnet, ytterbium-doped YLF, yttrium-doped yttrium vanadate and other erbium-doped or erbium-doped lasers with a wavelength of 0.8 to 1.2 μm. The passive Q-switched crystal. A passive Q-switch or a saturable absorber provides sufficient laser pulses without the need for an electro-optic switch, thus reducing the size and eliminating the need to supply high-voltage energy. It will replace the commonly used LiF and dyes in the field of passive Q-switching and is an excellent choice for 1μm Nd-doped lasers.

主要特点 Features

- 化学性能可靠稳定
Stable chemical properties
- 易操作
Easy to operate
- 热导好
Good thermal conductivity
- 损伤阈值高
High damage threshold
- 做为高能固态被动调 Q-开关使用寿命长
Long life as a high-energy solid-state passive Q-switch



性能参数:

Flatness	$\lambda/10$ at 633nm
Parallelism	≤ 30 arcsec
Wavefront Distortion	$\lambda/6$ at 633nm
Surface Quality	10-5
Dimension tolerance	± 0.1 mm
Initial Transmission	5-95%
Chip	≤ 0.1 mm