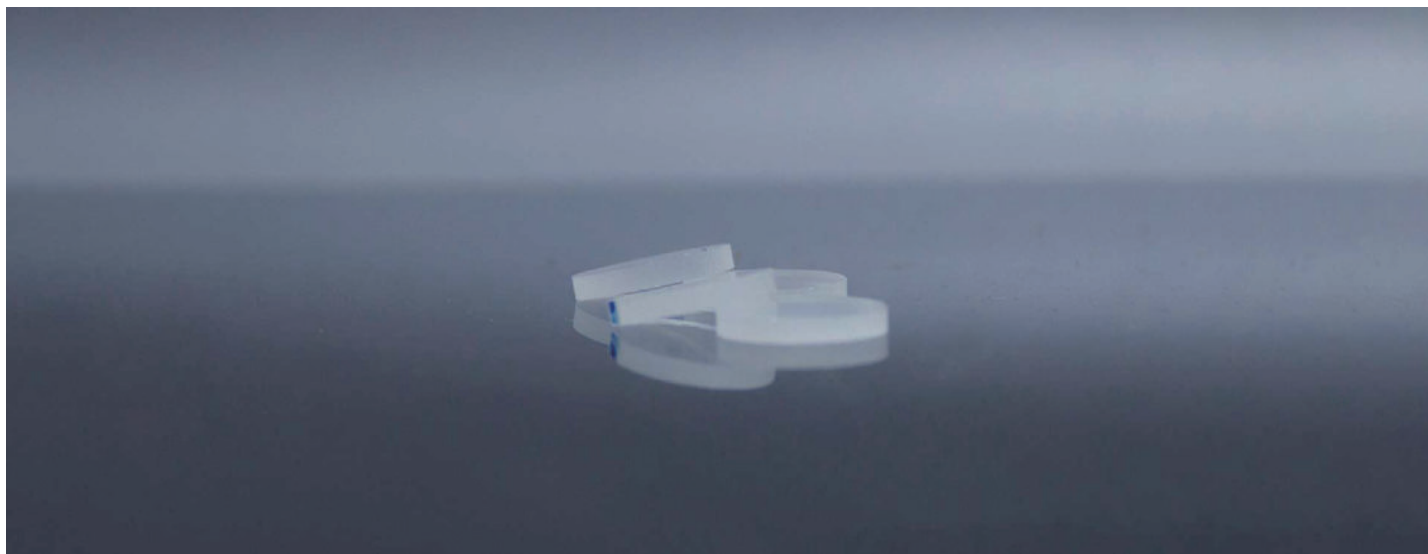


Nd:YAG激光器-1064nm-激光镜



描述

用于1064nm激光器谐振腔和其它光学装置中的高质量反射镜，Nd:YAG激光线反射镜可采用BK7、低吸收熔石英材料，具有极低的热膨胀系数，良好的光学特性和高损伤阈值，在高功率激光应用中反射镜需要对温度不敏感。采用精密抛光技术、电子束多层介质或离子束溅射镀膜技术，使镜片具有超高表面光学质量，反射率>99.8%，能够承受高光强，具有高损伤阈值。

参数

加工指标

平行性	10"
垂直性	5′
表面质量	10-20
表面平整度	$\lambda / 8 @ 632 \text{ nm}$
通光孔径	> 85% 中心区域
倒角	0.2mm-0.5mm @ 45°
尺寸精度	$\pm 0.05\text{mm}$
厚度/直径公差	(0,-0.1)mm
损伤阈值	$>10 \text{ J/cm}^2 @ 1064 \text{ nm } 10 \text{ ns } 10 \text{ Hz}$



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产品列表-熔石英（材料可选）

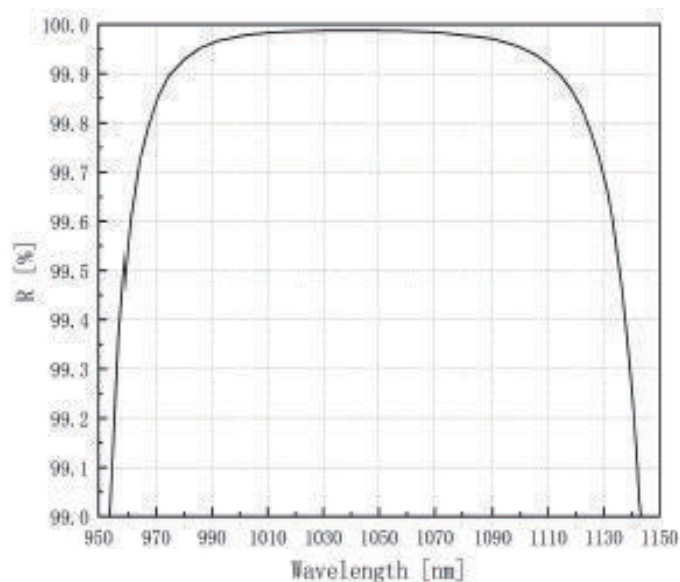
型号	尺寸	外形	膜系
CL-LM11062-127	$\phi = 12.7\text{mm}$ $t = 6.35\text{mm}$	Front Side (S2) plane Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11062-254	$\phi = 25.4\text{mm}$ $t = 6.35\text{mm}$	Front Side (S2) plane Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11062-381	$\phi = 38.1\text{mm}$ $t = 6.35\text{mm}$	Front Side (S2) plane Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11007-127	$\phi = 12.7\text{mm}$ $t = 6.35\text{mm}$	Front Side (S2) concave $r = 100\text{mm} (\pm 0.5\%)$ Rear Side (S3) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11007-254	$\phi = 25.4\text{mm}$ $t = 6.35\text{mm}$	Front Side (S2) concave $r = 100\text{mm} (\pm 0.5\%)$ Rear Side (S3) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11007-381	$\phi = 38.1\text{mm}$ $t = 6.35\text{mm}$	Front Side (S2) concave $r = 100\text{mm} (\pm 0.5\%)$ Rear Side (S3) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11009-127	$\phi = 12.7\text{mm}$ $t = 6.35\text{mm}$	Front Side (S2) convex $r = 200\text{mm} (\pm 0.5\%)$ Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11009-254	$\phi = 25.4\text{mm}$ $t = 6.35\text{mm}$	Front Side (S2) convex $r = 200\text{mm} (\pm 0.5\%)$ Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11009-381	$\phi = 38.1\text{mm}$ $t = 6.35\text{mm}$	Front Side (S2) convex $r = 200\text{mm} (\pm 0.5\%)$ Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11008-127	$\phi = 12.7\text{mm}$ $t = 6.36\text{mm}$	Front Side (S2) concave $r = 400\text{mm} (\pm 0.5\%)$ Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11008-254	$\phi = 25.4\text{mm}$ $t = 6.35\text{mm}$	Front Side (S2) concave $r = 400\text{mm} (\pm 0.5\%)$ Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11008-381	$\phi = 38.1\text{mm}$ $t = 6.35\text{mm}$	Front Side (S2) concave $r = 400\text{mm} (\pm 0.5\%)$ Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%



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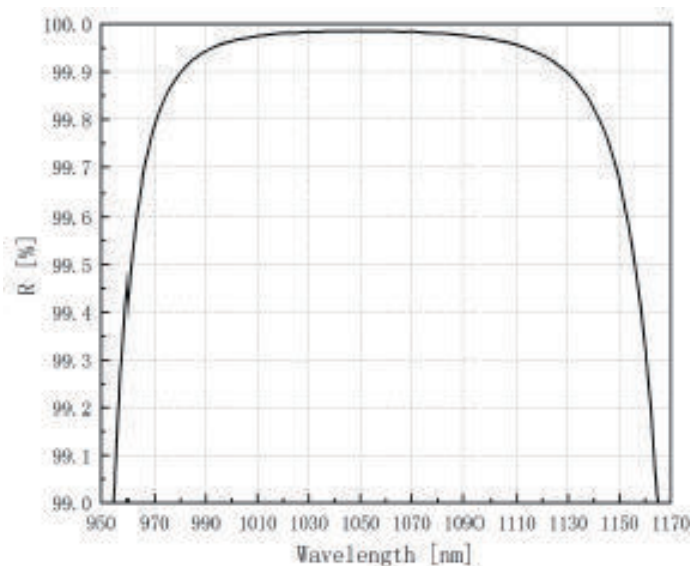
谱图

CL-LM11062



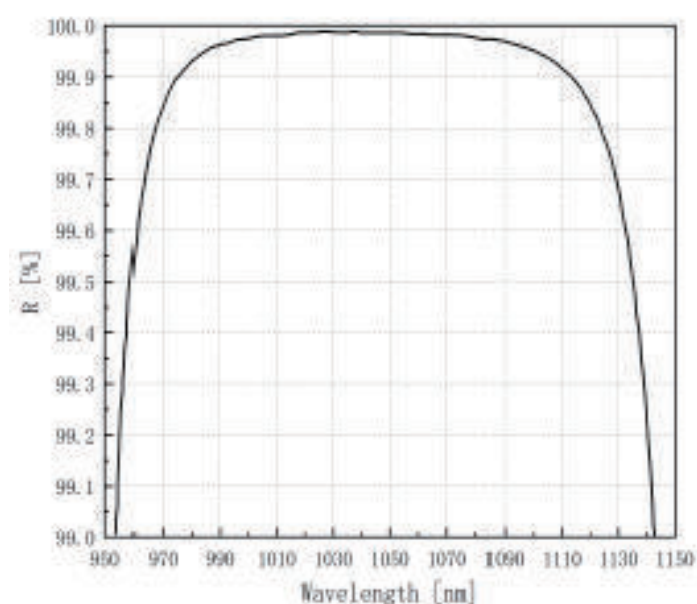
S2: HR(0°,1030-1064nm)>99.9%

CL-LM11007



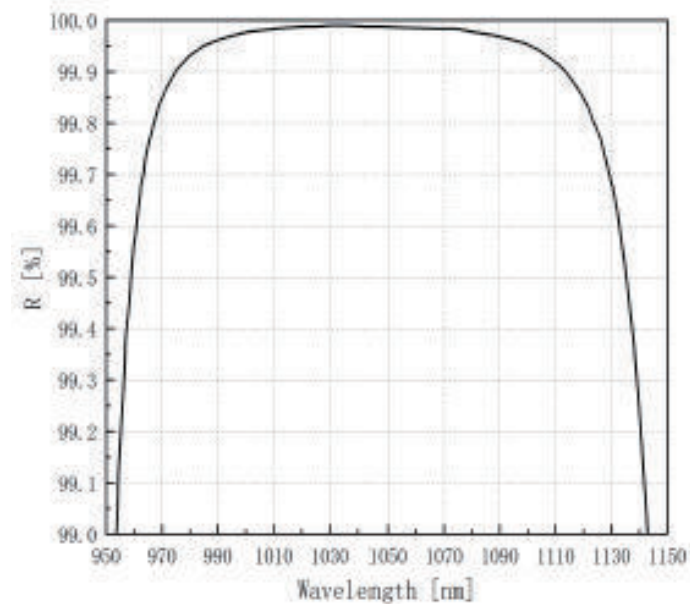
S2: HR(0°,1030-1064nm)>99.9%

CL-LM11009



S2: HR(0°,1030-1064nm)>99.9%

CL-LM11008



S2: HR(0°,1030-1064nm)>99.9%



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