

咨询处理 - 硬件咨询 #1697

超快反射镜

2026-04-17 14:44 - 单文惠

状态:	已反馈	开始日期:	2026-04-17
优先级:	B级	计划完成日期:	
指派给:	单文惠	% 完成:	0%
类别:		预期时间:	0:00 小时
目标版本:			
完结状态:			
描述			
数量：1			
要求：低色散（更多参考，请看附件）			
尺寸：1.5英寸			
预算：1万以内			
备注：此类产品基本都是进口产品			
待反馈：			
1、价格			
2、货期			

历史记录

#1 - 2026-04-17 14:45 - 薛立京
- 状态从 新建 变更为 评估中
#2 - 2026-04-17 15:23 - 薛立京
- 文件 clipboard-202604171523-3wffn.png 已添加
- 指派给从 薛立京 变更为 单文惠

Thorlabs UM15-45A

Design Wavelength Range	700 - 930 nm
Diameter	1.5" (38.1 mm)
Diameter Tolerance	+0.00 / -0.10 mm
Clear Aperture	>80% of Diameter
Thickness	12.0 mm (0.47")
Thickness Tolerance	± 0.20 mm
Reflectance	Rs> 99% (700 - 930 nm) Rp > 99% (730 - 870 nm)
Angle of incidence	45 °
Group Delay Dispersion	IGDDsI<30 fs ² (700-930 nm) IGDDpI < 30 fs ² (730 - 870 nm)
Laser Induced Damage Threshold	0.40 J/cm ² (800 nm, 52 fs FWHM, S-Pol, 1000 Pulses)
Substrate	Fused Silica
Front Surface Flatness "	λ /4
Front Surface Quality	15-5 Scratch-Dig
Parallelism	≤ 3 arcmin
Back Surface	Polished

Item #	UM05-45A	UM10-45A	UM15-45A	UM20-45A
Design Wavelength Range	700 - 930 nm			
Diameter	1/2" (12.7 mm)	1" (25.4 mm)	1.5" (38.1 mm)	2" (50.8 mm)
Diameter Tolerance	+0.00 / -0.10 mm			
Clear Aperture	>80% of Diameter			
Thickness	6.4 mm (0.25")	9.5 mm (0.37")	12.0 mm (0.47")	12.0 mm (0.47")
Thickness Tolerance	±0.20 mm			±0.10 mm
Reflectance	R _s > 99% (700 - 930 nm) R _p > 99% (730 - 870 nm)			
Angle of Incidence	45°			
Group Delay Dispersion	IGDD _s < 30 fs ² (700 - 930 nm) IGDD _p < 30 fs ² (730 - 870 nm)			
Laser Induced Damage Threshold ^a	0.40 J/cm ² (800 nm, 52 fs FWHM, S-Pol, 1000 Pulses)			
Substrate	Fused Silica			
Front Surface Flatness ^b	λ/4	λ/6	λ/4	λ/2
Front Surface Quality	15-5 Scratch-Dig			20-10 Scratch-Dig
Parallelism	≤3 arcmin			≤5 arcmin
Back Surface	Polished			Fine Ground

#3 - 2026-04-17 15:24 - 薛立京
好像编辑空格不识别，指标和名称都挨一块了

#4 - 2026-04-23 16:24 - 薛立京
- 状态 从 评估中 变更为 已反馈

文件

PDF图纸-UFPM10-B1.pdf	137 KB	2026-04-17	单文惠
clipboard-202604171523-3wffn.png	75.1 KB	2026-04-17	薛立京