



複屈折クリスタルオプティクス

Crystal Optics

Birefringent Optics

- IR wavelengths from 3 to 13 μ m
- Dual crystal design
- Broadband AR coatings

Description

Dual crystal achromatic waveplates for IR wavelengths from 3 to 13 μ m, featuring broadband coatings for performance enhancement and available in a range of custom mounts.

All critical manufacturing processes are carried out in-house at our Cleveland facility by Cleveland Crystals, specialists in superior crystal growth and precision engineered electro-optic devices. Products include UV-IR crystal optics, electro-optics and non-linear optical devices, thin-film coatings, design and consulting services.

Specification

Material:	Proprietary
Flatness:	$\lambda/4$ or better
Scratch-Dig:	20-10 or better
Retardation Tolerance:	± 10 degrees from 4 μ m to 13 μ m
	± 20 degrees from 3 μ m to 4 μ m
Transmission:	Generally >90% over wavelength range
Damage Threshold:	Application dependent - unspecified
Aperture:	Up to 29mm, clear aperture
Mount Dimensions:	O.D. 51mm - thickness variable

Note

Our achromatic waveplates for IR wavelengths constitute custom, application-specific components as opposed to standard catalogue items. The specifications above are guidelines. We prefer to work closely with our customers on an engineer to engineer basis ensuring your exact requirements are met.

For further information, please contact Cleveland Crystals directly.



光技術をサポートする
株式会社オプトサイエンス
<http://www.optoscience.com>

東京本社 〒160-0014 東京都新宿区内藤町1番地 内藤町ビルディング
TEL: 03 (3356) 1064 FAX: 03 (3356) 3466 E-mail: info@optoscience.com
大阪支店 〒532-0011 大阪市淀川区西中島7-7-2 新大阪ビル西館
TEL: 06 (6305) 2064 FAX: 06 (6305) 1030 E-mail: osk@optoscience.com
名古屋営業所 〒450-0002 名古屋市中村区名駅2-37-21 東海ソフトビル
TEL: 052 (569) 6064 FAX: 052 (569) 8064 E-mail: ngo@optoscience.com