



EMAIL QUOTATION

DATE: August 10, 2017

TO: Taeyeon Kim
Yonsei University

EMAIL ADDRESS: ty1211@yonsei.ac.kr

FROM: Scott Gutheil

PAGE: 1 of 1

RE: Fabry-Perot Etalon Quotation

Quotation #: 170802

Dear Taeyeon Kim,

As you requested, I am pleased to quote you on the following air-spaced etalon. Also included are detailed specification sheets and drawings giving more information on the actual etalon characteristics.

AIR-SPACED ETALON

Design #A6 (Complex)

20 mm diameter clear aperture air-spaced etalon

20 mm diameter clear cell aperture

30 mm diameter × 10 mm thick synthetic fused silica plates

Reflective (cavity) surfaces $\lambda/100$ at 632.8 nm

Outer surfaces $\lambda/20$ at 632.8 nm

Outer surfaces wedged at 30 arc minutes, matched and opposed

FSR ~ 293 cm^{-1} at 795 nm & 800 nm

Spacers 0.017 mm \pm 0.0001 mm (Optical) thick Schott Zerodur (Grade 0)

Parallel to $\lambda/100$ at 632.8 nm

Effective finesse ~ 104 at 795 nm & 800 nm, over 10 mm aperture, as per Design #A6 (Complex) –

Please Note: that reducing the 'Effective aperture' will improve resolution

Transmission ~ 43% at 795 nm & 800 nm

98.5% R (\pm 0.5% R) at 795 nm & 800 nm / 0°

AR (<0.25% R) at 795 nm & 800 nm / 0°

Ultra-hard high energy coatings

****To scan 1 full FSR a MAXIMUM TILT ANGLE of 12.41° will be required. No Degradation of performance will be encountered.**

Mounted in a 38 mm diameter × 35.5 mm long stainless steel cell with protective dust caps and a 50 mm diameter 'pinch clamp' mounting ring

PRICE FOR ONE: \$7,465 Full payment must be made prior to shipping

DELIVERY: Approximately 5 weeks from the date of receipt of your order

This quotation is valid for 60 days; is F.O.B. Merrick, New York; and is subject to TecOptics' Standard Conditions of Sale. Local taxes, special packaging, insurance and shipping are not included. Shipping costs and related fees are the responsibility of the customer. Overdue invoices will be assessed interest at a rate of 2 per cent per month or fraction thereof.

If you have any questions, need additional information, or would like to place an order, please call me at (516)379-1203 and I will be happy to help.

Scott G. Gutheil for TecOptics, Inc.

1760 Grand Avenue, Merrick, New York 11566
Phone (516)379-1203 • Fax (516)546-7031 • Email: info@tecoptics.com