



Advanced Thin Films

5733 Central Ave Boulder, CO 80301
Tel (720) 494-4194 FAX (720) 652-9948
www.atfilms.com

Certificate of Conformance

Shipped to: LIGO/CALTECH

E1100048-V2

Customer PO #: 75ADV-S119918

Item #: IBS Coating

Quantity: 24 pcs.

Description: HR - 1064@ 40°-50°; AR - 1064@40°-50°

Coating run #'s: V4-1663, V4-1665

Ship Date: July 28, 2011

ATFilms Job #: 7240-1, -2

This is to certify that the parts, materials, and processes used to manufacture the items on the above referenced purchase order have been inspected and/or tested by ATFilms' quality control department and have been accepted as being compliant with all specifications and terms of the purchase order. All materials are traceable to the certifications and/or test reports that are required by customer specified standards and/or Mil Specs.



Quality Control

E1100048-V2

V4-1663 / V4-1665

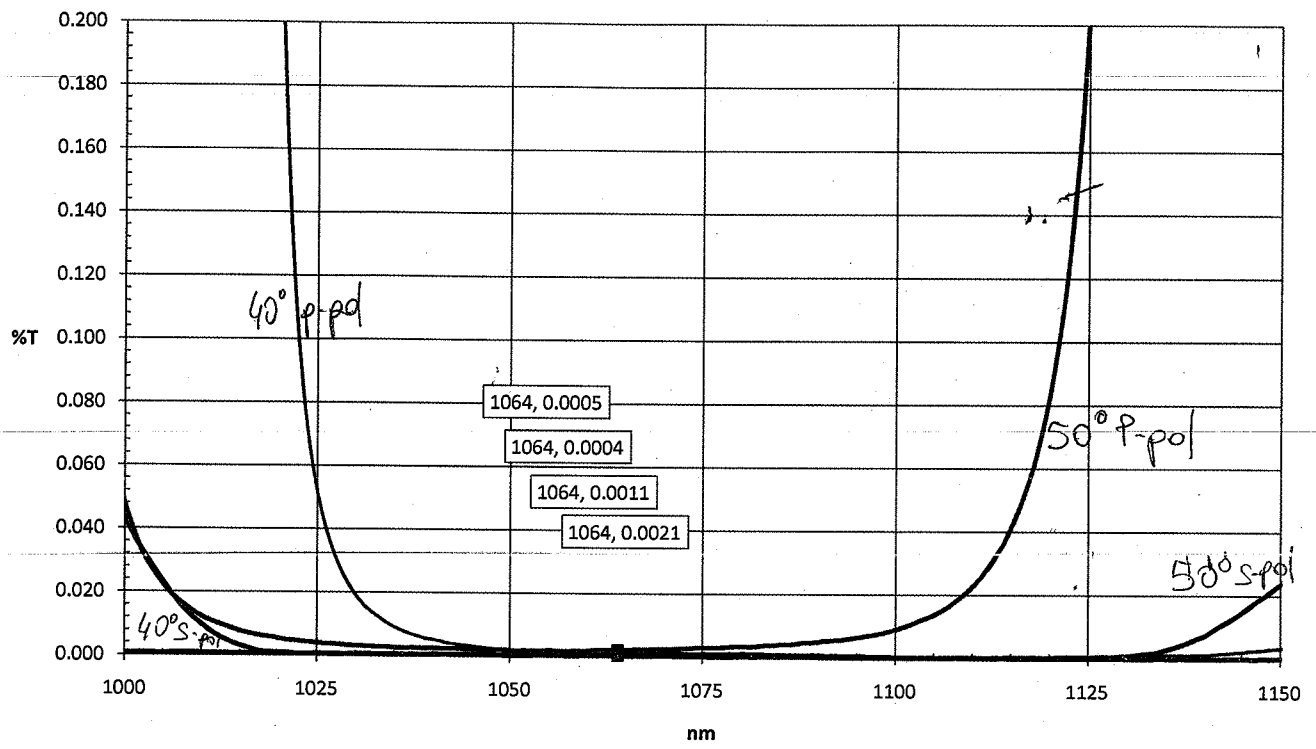


Boulder, CO 720-494-4194

SPECTRAL METROLOGY REPORT

CUSTOMER NAME LIGO/CALTECH		COATING RUN NUMBER(S) V4-1663; V4-1665	ATF LOT NUMBER 7240	DATE 7/27/11
CUSTOMER PART NUMBER	REV	PART NAME	PART SERIAL NUMBER N/A	

Surface "HR"



- V4-1663, FS Wit, AB450, 40° S-pol, F=0.01
- V4-1663, FS Wit, AB450, 50° S-pol, F=0.01
- V4-1663, FS Wit, AB450, 40° P-pol, F=0.01
- V4-1663, FS Wit, AB450, 50° P-pol, F=0.01

E1100048-V2

V4-1663 / V4-1665

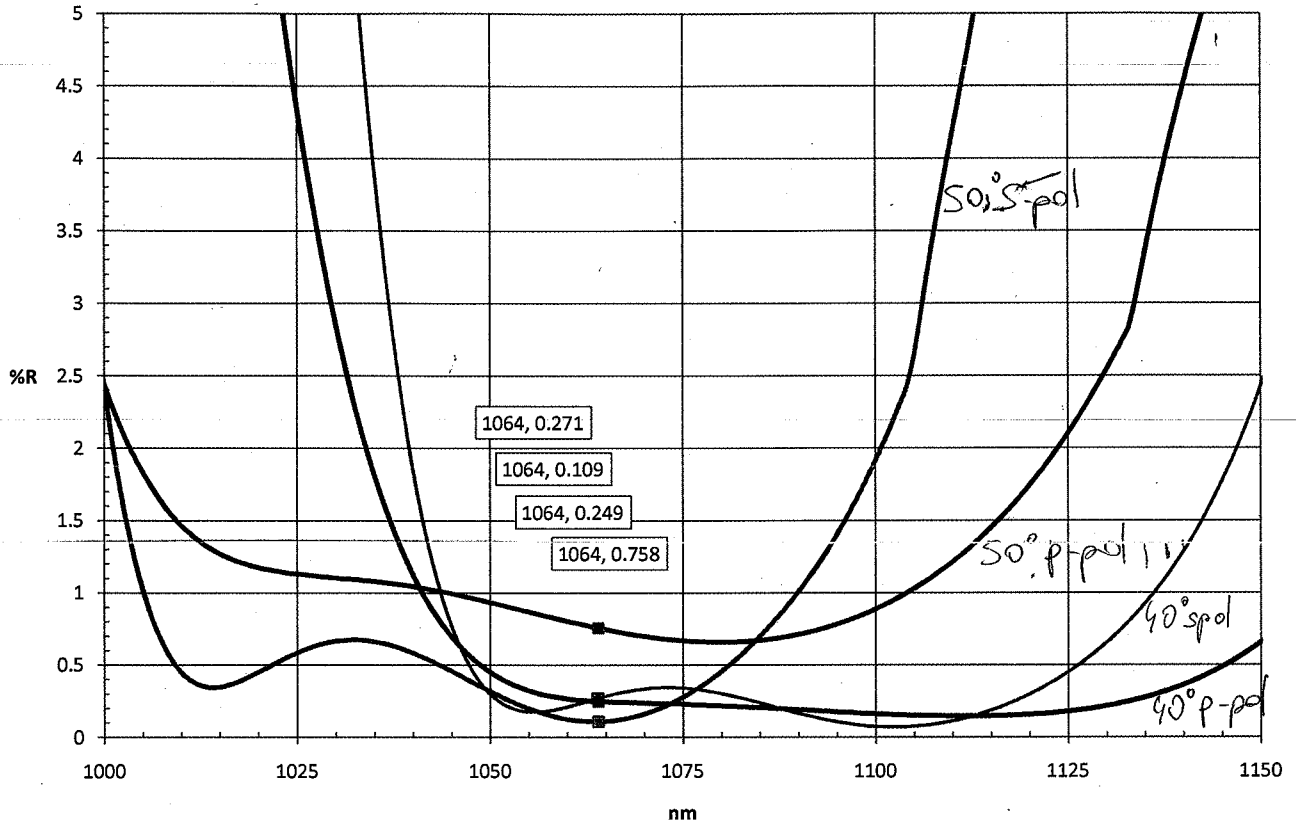


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SPECTRAL METROLOGY REPORT

CUSTOMER NAME LIGO/CALTECH		COATING RUN NUMBER(S) V4-1663; V4-1665	ATF LOT NUMBER 7240	DATE 7/27/11
CUSTOMER PART NUMBER 8	REV	PART NAME	PART SERIAL NUMBER N/A	

Surface "AR"



- V4-1665, FS Witness, BB, 40° S-Pol, F=0.0785
- V4-1665, FS Witness, BB, 50° S-Pol, F=0.1138
- V4-1665, FS Witness, BB, 40° P-Pol, F=0.0386
- V4-1665, FS Witness, BB, 50° P-Pol, F=0.0159