



**ANDOVER CORPORATION**  
Quality Optical Filters and Coatings  
**2009 - 2010**

## ORDERING INFORMATION

### Four Ways to Order

<b>Online</b>	<b>www.andovercorp.com</b>
<b>Email</b>	<b>sales@andovercorp.com</b>
<b>Telephone</b>	<b>US toll-free 1.888.893.9992</b> <b>International +00.1.603.893.6888</b>
<b>Fax</b>	<b>603.893.6508</b>

### Pricing

Current prices are available at [andovercorp.com](http://andovercorp.com) by clicking on the part numbers for particular items. For a complete price list or a specific quote, please contact our sales department.

### Purchase Orders

Andover Corporation accepts e-mail, written, and online orders from customers with an open line of credit. New customers must confirm their orders in writing and supply credit references upon request.

### Blanket Orders

Andover Corporation can help reduce your inventory by scheduling automatic delivery of your order over time. Complete details are available here: <http://www.andovercorp.com/info>

### Payment Terms

Net 30 days from date of invoice for customers with established lines of credit. International customers should check with the sales department to determine if prepayment is required. All foreign orders are subject to shipping and banking fees. For blanket orders, please contact our sales department for special terms and conditions. Visa, MasterCard and American Express accepted.



### Shipping

Most standard items ship within two days of receipt of an order. All out-of-stock products are shipped within two weeks. For rush orders, one-day shipping may be available.

All prices are FOB Salem, New Hampshire, USA. Shipments are freight prepaid and billed to the buyer.

**Order online for free ground shipping within the US.**

### Return Policy

Andover Corporation accepts returns of defective items up to one year from the invoice date. Before returning any items, please contact our technical sales staff for a Return Goods Authorization (RGA) number and complete shipping instructions.

## LIMITED WARRANTY

Andover warrants that all products shall conform to the product specifications and shall be free from defects in materials and workmanship for a period of one year from date of purchase. This Limited Warranty shall not apply in the event of any failure caused by accident, misuse, neglect, alteration or improper installation or repair by the purchaser.

*Disclaimer of other warranties.* The limited warranty set forth above is in place of other warranties, express or implied, and Andover expressly disclaims all other warranties, including warranties of merchantability and fitness for a particular purpose. Specifically, it is the purchaser's responsibility to test and determine the suitability of the products for purchaser's intended use, which shall be the sole responsibility of the purchaser.

*Limitation of remedies and damages.* Andover's sole obligation and the purchaser's sole and exclusive remedy under the Limited Warranty set forth above shall be limited to (a) replacement of defective products provided that written claim of the defect is sent to Andover within the Limited Warranty period, the original product is returned with transportation prepaid, and Andover's inspection establishes the existence of such defect; or (b) at the sole discretion of Andover, return of the original purchase price received by Andover from the purchaser. Andover shall in no event be liable for any damages, including without limitation, lost profits, incidental or consequential damages by reason of or in connection with the purchase or use of the products.

*Indemnification.* The purchaser agrees to indemnify and hold Andover harmless from and against any claim, loss, cost or expense resulting from purchaser's use of the products, whether such claim arises in contract, tort or otherwise.

*Governing law.* All matters arising under this Limited Warranty and other terms and conditions of sale shall be governed by the laws of the State of New Hampshire. The purchaser consents to the exclusive jurisdiction of the courts of the State of New Hampshire in all matters relating to the purchase, sale and use of the products.

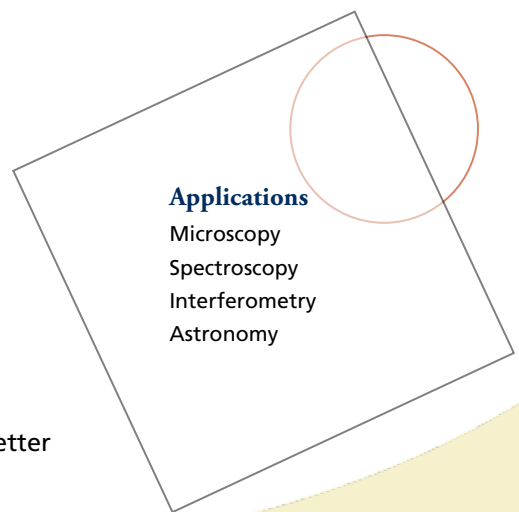
# VIS/NIR BEAMSPLITTERS

- **Hard-coated for maximum durability**
- **R/T ratios from 80/20 to 30/70**
- **High-quality optical crown glass substrate**

When using a beamsplitter in an optical system, it is critical that all light incident upon the coating be reflected [R] or transmitted [T] with minimal loss due to absorption. To meet this requirement, Andover's VIS/NIR beamsplitters are constructed of all dielectric materials that keep absorption to just 0.5–1.0%, depending on the R/T ratio. To minimize reflections, we add broadband antireflective coatings that meet or exceed the following environmental specifications. These beamsplitters are designed for use at a 45° angle of incidence in randomly polarized light.

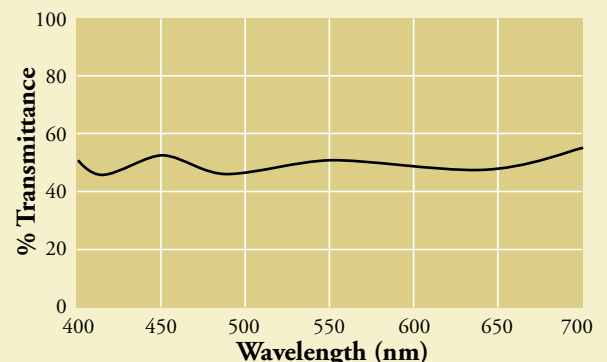
## GENERAL SPECIFICATIONS

Substrate Material	Schott® BK-7
Thickness	3mm ±0.5mm
Size Tolerance	+0.00/-0.25mm
Coating Quality	60/40 per MIL-C-48497A
Surface Quality	80/50 per MIL-C-48497A
Humidity and Abrasion	Per MIL-C-48497A
Max. Operating Temperature	+100°C
Flatness	λ/4 wave per 25mm or better
Parallelism	30 arc seconds or better
Angle of Incidence	45° random polarization
Min. Clear Aperture	85% of outside dimension



R/T Ratio	Tx Range	Size, Shape & Part Number	
		25mm Ø	50mm Sq.
80/20	450–650nm	VBS-80/20-25	VBS-80/20-50S
70/30	450–650nm	VBS-70/30-25	VBS-70/30-50S
60/40	450–650nm	VBS-60/40-25	VBS-60/40-50S
50/50	400–700nm	VBS-50/50-25	VBS-50/50-50S
50/50	700–1100nm	RBS-50/50-25	RBS-50/50-50S
40/60	400–700nm	VBS-40/60-25	VBS-40/60-50S
30/70	400–700nm	VBS-30/70-25	VBS-30/70-50S

**50/50 DIELECTRIC VISIBLE (45° Angle)**



# HARDWOOD STORAGE CASES

- Hardwood construction
- Plated metal hardware
- Custom engraving available



These cases are a great way to store and organize your filters and optics. All cases are made from hardwood, and utilize sturdy plated hinges and clasps. Choose from a variety of case sizes and foam configurations. Custom laser engraving is also available.

## CASES WITH PRE-CUT FOAM INSERTS

Outside dimensions L x W x H (approx.)	Foam configuration accommodates:	Part Numbers
3.75" x 3.75" x 2.75"	Six filters up to 25mm dia.	CASE-6-25
4.75" x 4.75" x 2.75"	Eight filters up to 25mm dia.	CASE-8-25
4.75" x 4.75" x 2.75"	Twelve filters up to 25mm dia.	CASE-12-25
3.75" x 3.75" x 3.5"	Six filters up to 50mm sq.	CASE-6-50
6.75" x 3.75" x 3.5"	Eight filters up to 50mm sq.	CASE-8-50
6.75" x 3.75" x 3.5"	Twelve filters up to 50mm sq.	CASE-12-50

## CASES WITH FOAM BLANKS

Outside dimensions L x W x H (approx.)	Inside dimensions of base L x W x H (approx.)	Part Numbers
3.5" x 3.5" x 1.5"	2.75" x 2.75" x .5"	CASE-2x2
4.75" x 4.75" x 2.5"	4" x 4" x 1.5"	CASE-4x4
6.75" x 6.75" x 2.5"	6" x 6" x 1.5"	CASE-6x6
9.75" x 9.75" x 2.5"	9" x 9" x 1.5"	CASE-9x9