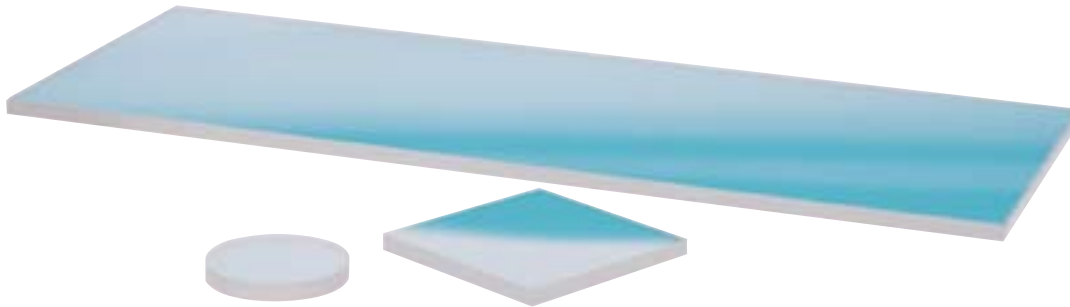


## Ultra-Violet Hot Mirrors

- **Super HeatBuster™ Ultra-Violet Hot Mirrors**
- Excellent visible transmission
- High infrared reflectance
- Superior Ultra-Violet rejection
- Durable coatings will survive extreme heat and high humidity



Here we offer Super HeatBuster™ Ultra-Violet hot mirrors. Hot mirrors are perfect for applications that require high reflectance in the infrared spectrum and excellent transmission in the visible. In addition Super HeatBuster™ Ultra-Violet Hot mirrors offer superior Ultra-Violet rejection with less than 1% transmission from 200 to 390nm.

These hot mirrors are manufactured using a special proprietary all dielectric coating technique that yields the most durable commercially available product. Super HeatBuster™ Ultra-Violet hot mirrors will pass MIL-C-675, snap tape tests and are capable of operation at temperatures as high as 700 degrees C. They will also operate and survive in extreme humidity environments.

Hot mirrors are available from stock in one inch and two inch diameter round or one inch, two inch and four inch square configurations. Larger sheets are also available and may be cut into custom sizes.

### Specifications & Tolerances

Dimensions: +/-0.5mm

Thickness: +/-0.3mm

Surface flatness:  $3\lambda$  per inch

Surface quality: 80-50

AOI: 0-15°

Coating: T>85% avg 420-680nm

T<1.0% avg 200-380nm

T<5.0% avg 730-1500nm

Material: Borofloat™ glass

Max temperature: 700°C

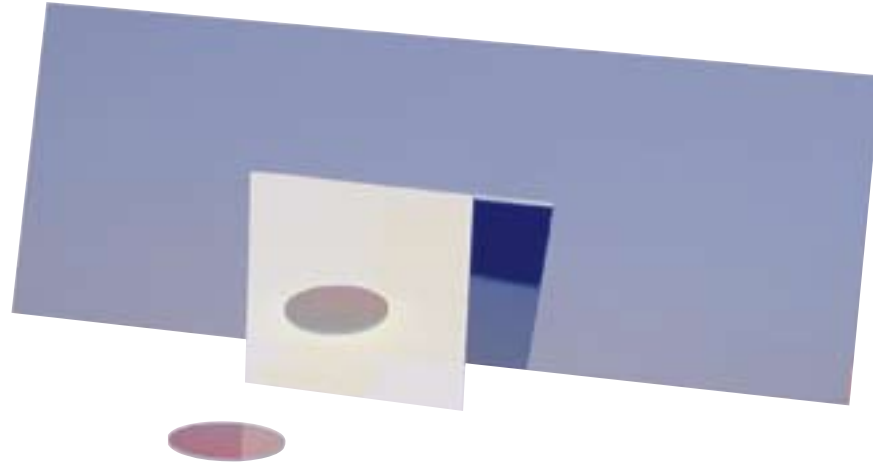
### Ultra-Violet Hot Mirrors

Mirror Shape	Dimensions (Inches) (mm)		Thickness (mm)	Price	PART NUMBER
Round	1.00	25.4	3.3		<b>034-3010</b>
Round	2.00	50.8	3.3		<b>034-3020</b>
Square	1.00 x 1.00	25.4 x 25.4	3.3		<b>034-3060</b>
Square	2.00 x 2.00	50.8 x 50.8	3.3		<b>034-3070</b>

HeatBuster™ is a registered trademark of DSI.

## Cold Mirrors

- **HeatBuster™ Cold Mirrors**
- High visible reflectance
- Excellent infrared transmission
- Durable coatings will survive extreme heat and high humidity



Our HeatBuster™ cold mirrors are perfect for applications that require high reflectance in the visible spectrum and excellent transmission in the infrared. These cold mirrors are manufactured using a special proprietary all dielectric coating technique that yields the most durable commercially available product. Our HeatBuster™ cold mirrors will pass MIL-C-675, snap tape tests and are capable of operation at temperatures as high as 600 degrees C. They will also operate and survive in extreme humidity environments.

Cold mirrors are available from stock in one inch and two inch diameter round or one inch, two inch and four inch square configurations. Larger sheets are also available and may be cut into custom sizes.

### Specifications & Tolerances

Dimensions:  $\pm 0.5\text{mm}$   
 Thickness:  $\pm 0.3\text{mm}$   
 Surface flatness:  $3\lambda$  per inch  
 Surface quality: 80-50  
 AOI:  $45^\circ \pm 5^\circ$   
 Coating: R>95% avg 420-700nm  
 R<20% avg 800-2500nm

Material: Borofloat™ glass  
 Max temperature: 600°C

### Cold Mirrors

Mirror Shape	Dimensions (Inches) (mm)		Thickness (mm)	Price	PART NUMBER
Round	1.00	25.4	3.3		034-3110
Round	2.00	50.8	3.3		034-3120
Square	1.00 x 1.00	25.4 x 25.4	3.3		034-3160
Square	2.00 x 2.00	50.8 x 50.8	3.3		034-3170

ORDERING  
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