## DICHROIC FILTER GENERAL SPECIFICATIONS

Far more durable than dyed plastic or gel-coated types, dichroic glass filters have a hard dielectric film created by thin layers of metallic oxides. These color separation filters are designed to isolate certain regions of the visible spectrum, reflecting rather than absorbing unwanted frequencies. As a result, they not only produce pure, intense color but also withstand the heat and UV energy from high-energy light sources. Commonly used as light balancing filters in color enlargers and photocopiers, dichroic filters are suitable for any application that requires separating the incident energy into two or more light beams.

## Dichroic Glass Filter Benefits

- Provide sharp separation between transmission and reflection
- Spectrally stable at changing temperatures and humidity
- Available in custom designs, colors, angles of incidence, substrates, dimensions, and coatings

## Dichroic Glass Filter Common Applications

- Fluorescence microscopy
- UV-VIS Irradiation
- Camera imaging
- Stage lighting
- Architectural lighting
- Projection displays
- Color enlargers
- Photocopiers

| | |
|---|---|
| Thickness: | 1.0mm ±0.25mm |
| Size Tolerance: | +0.0mm/-0.25mm |
| Min. Clear Aperture: | 95% of outside dimension |
| Substrate Material: | Soda lime glass |
| Flatness: | 3–5 waves per 25mm |
| Parallelism: | 3 arc minutes or better |
| Surface Quality: | 80/50 per MIL-C-48497A |
| Humidity and Abrasion: | Per MIL-C-48497A |
| Max. Operating Temperature: | +200°C |

| | |
|---|---|
| Mechanical: | Unmounted |

ABBYY FineReader 15 Click here to buy www.ABBYY.com







**Andover Corporation**

4 Commercial Drive | Salem, NH 03079-2800 | USA

Toll Free (US): +1 (888) 893-9992 | International: +01 (603) 893-6888 | Fax: +1 (603) 893-6508 | e-mail: info@andcorp.com