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## TECHSPEC® Thin Film Laser Line Polarizers



- High Extinction Ratio of 10,000:1
- 45° Angle of Incidence
- Available for Nd:YAG Harmonics and HeNe Wavelengths

### Common Specifications

#### Physical & Mechanical Properties

|                              |                                                        |                             |             |
|------------------------------|--------------------------------------------------------|-----------------------------|-------------|
| Thickness (mm):              | 6.00 ±0.25                                             | Dimensional Tolerance (mm): | +0.00/-0.25 |
| Construction:                | Thin Film Dielectric                                   | Clear Aperture (%):         | 90          |
| <b>Optical Properties</b>    |                                                        |                             |             |
| Angle of Incidence (°):      | 45 ±2                                                  | Extinction Ratio:           | 10,000:1    |
| Substrate:                   | <a href="#">Fused Silica</a> (Corning 7980)            | Surface Quality:            | 40-20       |
| Transmission (%):            | >98 (P-Polarization)                                   | Transmitted Wavefront, P-V: | λ/4 @ 633nm |
| Damage Threshold, By Design: | 2 J/cm <sup>2</sup> @ 532nm, 10ns, S or P Polarization |                             |             |

## Technical Information

## Products

| DWL<br>(nm) | Extinction<br>Ratio | CA<br>(mm) | Surface<br>Quality | Dia.<br>(mm) | CA<br>(%) | Stock<br>Number         | Price                                         | Buy         |
|-------------|---------------------|------------|--------------------|--------------|-----------|-------------------------|-----------------------------------------------|-------------|
| 355         | 10,000:1            | 22.5       | 40-20              | 25.00        | 90        | <a href="#">#86-707</a> | S\$798.00<br><a href="#">Volume Pricing</a>   | 10 In Stock |
| 355         | 10,000:1            | 45.00      | 40-20              | 50.00        | 90        | <a href="#">#86-708</a> | S\$1,547.00<br><a href="#">Volume Pricing</a> | 3 In Stock  |
| 532         | 10,000:1            | 11.25      | 40-20              | 12.50        | 90        | <a href="#">#86-709</a> | S\$466.20<br><a href="#">Volume Pricing</a>   | 1 In Stock  |
| 532         | 10,000:1            | 22.50      | 40-20              | 25.00        | 90        | <a href="#">#86-710</a> | S\$798.00<br><a href="#">Volume Pricing</a>   | Contact Us  |
| 532         | 10,000:1            | 45.00      | 40-20              | 50.00        | 90        | <a href="#">#86-711</a> | S\$1,547.00<br><a href="#">Volume Pricing</a> | 5 In Stock  |
| 633         | 10,000:1            | 22.50      | 40-20              | 25.00        | 90        | <a href="#">#86-713</a> | S\$798.00<br><a href="#">Volume Pricing</a>   | 5 In Stock  |
| 633         | 10,000:1            | 45.00      | 40-20              | 50.00        | 90        | <a href="#">#86-714</a> | S\$1,547.00<br><a href="#">Volume Pricing</a> | 1 In Stock  |
| 1064        | 10,000:1            | 22.50      | 40-20              | 25.00        | 90        | <a href="#">#86-716</a> | S\$798.00<br><a href="#">Volume Pricing</a>   | Contact Us  |
| 1064        | 10,000:1            | 45.00      | 40-20              | 50.00        | 90        | <a href="#">#86-717</a> | S\$1,547.00<br><a href="#">Volume Pricing</a> | 3 In Stock  |



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Phone: 1-800-363-1992 :

[www.edmundoptics.com](http://www.edmundoptics.com)