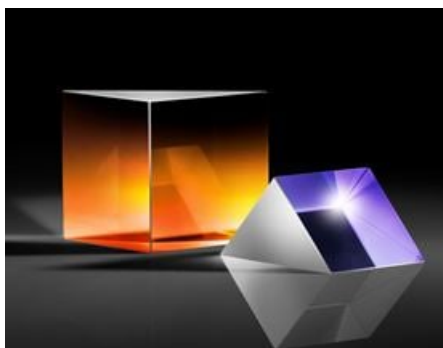


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**TECHSPEC®**

# Nd:YAG Laser Line $\lambda/20$ UV Fused Silica Right Angle Prisms



- $\lambda/20$  Surface Flatness
- <0.25% Reflection for Nd:YAG Applications
- 5 - 25mm Sizes Available

## Common Specifications

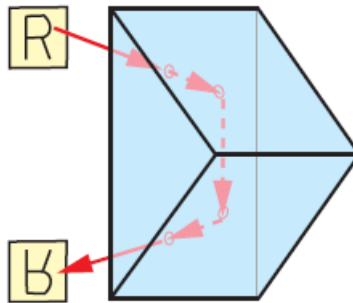
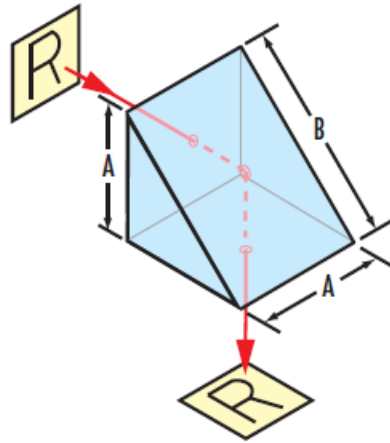
### Physical & Mechanical Properties

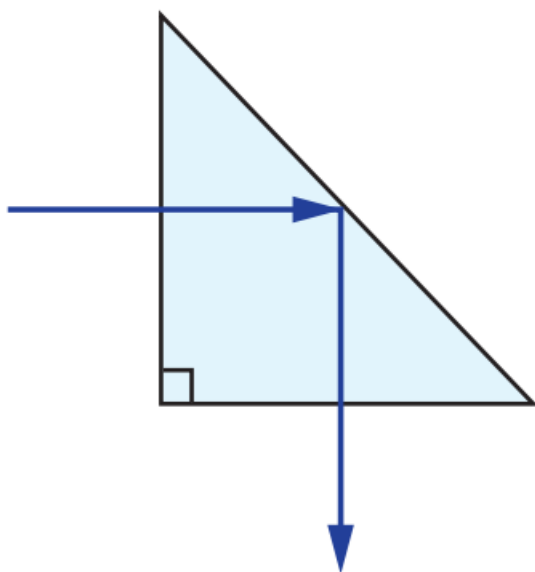
|                             |             |        |                      |
|-----------------------------|-------------|--------|----------------------|
| Dimensional Tolerance (mm): | +0.00/-0.10 | Bevel: | Protective as needed |
| Clear Aperture (%):         | 90          |        |                      |

### Optical Properties

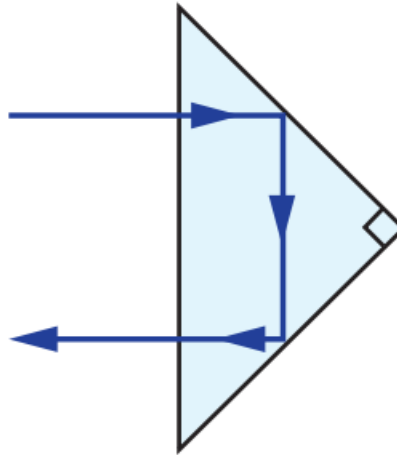
|                             |                                             |                    |             |
|-----------------------------|---------------------------------------------|--------------------|-------------|
| Angle Tolerance (arcsec):   | $\pm 15$                                    |                    |             |
| Substrate:                  | <a href="#">Fused Silica</a> (Corning 7980) | Surface Quality:   | 20-10       |
| Pyramid Tolerance (arcmin): | $\pm 1$                                     | Image Orientation: | Left-Handed |
| Surface Flatness (P-V):     | $\lambda/20$                                |                    |             |

## Technical Information

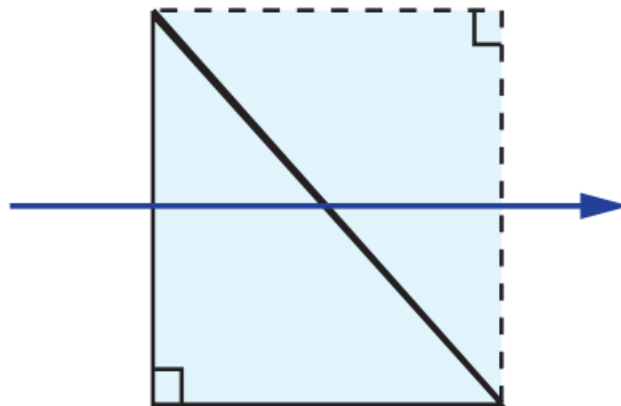




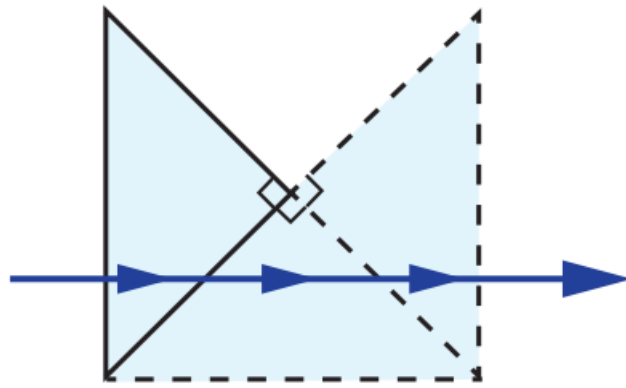
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

## Products

| Length of Legs (mm) | Length of Hypotenuse (mm) | Coating              | Stock Number            | Price                                       | Buy          |
|---------------------|---------------------------|----------------------|-------------------------|---------------------------------------------|--------------|
| 5.00                | 7.10                      | Laser V-Coat (266nm) | <a href="#">#37-616</a> | S\$448.05<br><a href="#">Volume Pricing</a> | 6 In Stock   |
| 10.00               | 14.10                     | Laser V-Coat (266nm) | <a href="#">#37-617</a> | S\$483.89<br><a href="#">Volume Pricing</a> | 6 In Stock   |
| 12.50               | 17.70                     | Laser V-Coat (266nm) | <a href="#">#37-618</a> | S\$492.86<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 15.00               | 21.20                     | Laser V-Coat (266nm) | <a href="#">#37-619</a> | S\$515.26<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 20.00               | 28.30                     | Laser V-Coat (266nm) | <a href="#">#37-620</a> | S\$540.65<br><a href="#">Volume Pricing</a> | 6 In Stock   |
| 25.00               | 35.40                     | Laser V-Coat (266nm) | <a href="#">#37-621</a> | S\$595.91<br><a href="#">Volume Pricing</a> | 3 In Stock   |
| 5.00                | 7.10                      | Laser V-Coat (355nm) | <a href="#">#37-622</a> | S\$448.05<br><a href="#">Volume Pricing</a> | 6 In Stock   |
| 10.00               | 14.10                     | Laser V-Coat (355nm) | <a href="#">#37-623</a> | S\$483.89<br><a href="#">Volume Pricing</a> | 8 In Stock   |
| 12.50               | 17.70                     | Laser V-Coat (355nm) | <a href="#">#37-624</a> | S\$492.86<br><a href="#">Volume Pricing</a> | 8 In Stock   |
| 15.00               | 21.20                     | Laser V-Coat (355nm) | <a href="#">#37-625</a> | S\$515.26<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 20.00               | 28.30                     | Laser V-Coat (355nm) | <a href="#">#37-626</a> | S\$540.65<br><a href="#">Volume Pricing</a> | 10 In Stock  |
| 25.00               | 35.40                     | Laser V-Coat (355nm) | <a href="#">#37-627</a> | S\$595.91<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 5.00                | 7.10                      | Laser V-Coat (532nm) | <a href="#">#37-628</a> | S\$448.05<br><a href="#">Volume Pricing</a> | 8 In Stock   |
| 10.00               | 14.10                     | Laser V-Coat (532nm) | <a href="#">#37-629</a> | S\$483.89<br><a href="#">Volume Pricing</a> | 4 In Stock   |
| 12.50               | 17.70                     | Laser V-Coat (532nm) | <a href="#">#37-630</a> | S\$492.86<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 15.00               | 21.20                     | Laser V-Coat (532nm) | <a href="#">#37-631</a> | S\$515.26<br><a href="#">Volume Pricing</a> | 5 In Stock   |

|       |       |                          |                         |                                             |              |
|-------|-------|--------------------------|-------------------------|---------------------------------------------|--------------|
| 20.00 | 28.30 | Laser V-Coat<br>(532nm)  | <a href="#">#37-632</a> | S\$540.65<br><a href="#">Volume Pricing</a> | 11 In Stock  |
| 25.00 | 35.40 | Laser V-Coat<br>(532nm)  | <a href="#">#37-633</a> | S\$595.91<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 5.00  | 7.10  | Laser V-Coat<br>(1064nm) | <a href="#">#37-634</a> | S\$448.05<br><a href="#">Volume Pricing</a> | 8 In Stock   |
| 10.00 | 14.10 | Laser V-Coat<br>(1064nm) | <a href="#">#37-635</a> | S\$483.89<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 12.50 | 17.70 | Laser V-Coat<br>(1064nm) | <a href="#">#37-636</a> | S\$492.86<br><a href="#">Volume Pricing</a> | 10 In Stock  |
| 15.00 | 21.20 | Laser V-Coat<br>(1064nm) | <a href="#">#37-637</a> | S\$515.26<br><a href="#">Volume Pricing</a> | Contact Us   |
| 20.00 | 28.30 | Laser V-Coat<br>(1064nm) | <a href="#">#37-638</a> | S\$540.65<br><a href="#">Volume Pricing</a> | 9 In Stock   |
| 25.00 | 35.40 | Laser V-Coat<br>(1064nm) | <a href="#">#37-639</a> | S\$595.91<br><a href="#">Volume Pricing</a> | 5 In Stock   |



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