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## TECHSPEC® NIR I Coated Plano-Concave (PCV) Lenses



- AR Coated to Provide <0.5% Reflectance per Surface for 600 - 1050nm
- Designed for 0° Angle of Incidence
- Various Coating Options: [Uncoated](#), [VIS-EXT](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [YAG-BBAR](#), and [NIR II](#)

### Common Specifications

#### Physical & Mechanical Properties

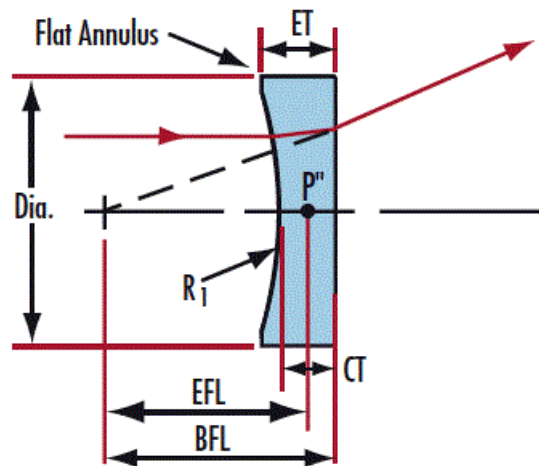
Bevel: Protective as needed

#### Optical Properties

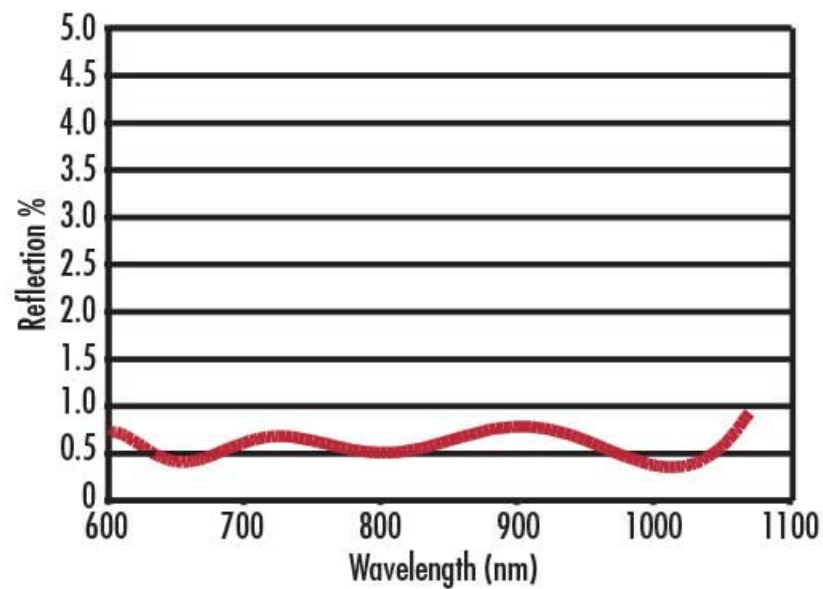
Coating: NIR I (600-1050nm)

|                                             |                                    |                             |                                     |
|---------------------------------------------|------------------------------------|-----------------------------|-------------------------------------|
| Wavelength Range (nm):                      | 600 - 1050                         | Coating Specification:      | $R_{avg} \leq 0.5\%$ @ 600 - 1050nm |
| Focal Length Specification Wavelength (nm): | 587.6                              | Focal Length Tolerance (%): | $\pm 1$                             |
| Damage Threshold, By Design:                | 7 J/cm <sup>2</sup> @ 1064nm, 10ns | Power (P-V) @ 632.8nm:      | 1.5W                                |
| Irregularity (P-V) @ 632.8nm:               | $\lambda/4$                        |                             |                                     |

## Technical Information



**NIR I Coating**  
 **$R_{avg} \leq 0.5\%$  @ 600 - 1050nm**  
**Typ. Energy Density Limit: 7 J/cm<sup>2</sup> @ 1064nm, 10ns**



## Products

| Dia.<br>(mm) | EFL<br>(mm) | BFL<br>(mm) | Coating            | Substrate              | Stock<br>Number         | Price                                    | Buy          |
|--------------|-------------|-------------|--------------------|------------------------|-------------------------|------------------------------------------|--------------|
| 3.00         | -6.00       | -6.56       | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#84-383</a> | £57.78<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 3.00         | -9.00       | -9.56       | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#84-384</a> | £57.78<br><a href="#">Volume Pricing</a> | Contact Us   |
| 6.00         | -6.00       | -6.84       | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#49-516</a> | £35.45<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 6.00         | -9.00       | -9.84       | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#49-517</a> | £35.45<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 6.00         | -12.00      | -12.99      | NIR I (600-1050nm) | <a href="#">N-BK7</a>  | <a href="#">#49-518</a> | £35.45<br><a href="#">Volume Pricing</a> | Contact Us   |
| 6.00         | -15.00      | -16.32      | NIR I (600-1050nm) | <a href="#">N-BK7</a>  | <a href="#">#49-519</a> | £35.45<br><a href="#">Volume Pricing</a> | 6 In Stock   |
| 6.00         | -18.00      | -19.32      | NIR I (600-1050nm) | <a href="#">N-BK7</a>  | <a href="#">#49-520</a> | £35.45<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 9.00         | -9.00       | -10.21      | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#49-521</a> | £36.33<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 9.00         | -12.00      | -13.26      | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#49-522</a> | £36.33<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 9.00         | -18.00      | -19.26      | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#49-523</a> | £36.33<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 9.00         | -27.00      | -28.68      | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#49-524</a> | £36.33<br><a href="#">Volume Pricing</a> | 10 In Stock  |
| 12.00        | -12.00      | -13.23      | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#49-525</a> | £38.09<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 12.00        | -15.00      | -16.68      | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#49-526</a> | £38.09<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 12.00        | -18.00      | -19.95      | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#49-527</a> | £38.09<br><a href="#">Volume Pricing</a> | 7 In Stock   |
| 12.00        | -24.00      | -26.32      | NIR I (600-1050nm) | <a href="#">N-BK7</a>  | <a href="#">#49-528</a> | £38.09<br><a href="#">Volume Pricing</a> | 4 In Stock   |
| 12.00        | -48.00      | -50.31      | NIR I (600-1050nm) | <a href="#">N-BK7</a>  | <a href="#">#49-530</a> | £38.09<br><a href="#">Volume Pricing</a> | 13 In Stock  |

|       |        |        |                    |                        |                         |                                          |              |
|-------|--------|--------|--------------------|------------------------|-------------------------|------------------------------------------|--------------|
| 20.00 | -30.00 | -31.96 | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#49-531</a> | £39.40<br><a href="#">Volume Pricing</a> | 3 In Stock   |
| 20.00 | -40.00 | -42.31 | NIR I (600-1050nm) | <a href="#">N-BK7</a>  | <a href="#">#49-532</a> | £39.40<br><a href="#">Volume Pricing</a> | 8 In Stock   |
| 20.00 | -50.00 | -52.31 | NIR I (600-1050nm) | <a href="#">N-BK7</a>  | <a href="#">#49-533</a> | £39.40<br><a href="#">Volume Pricing</a> | 4 In Stock   |
| 20.00 | -      | -      | NIR I (600-1050nm) | <a href="#">N-BK7</a>  | <a href="#">#22-247</a> | £39.40<br><a href="#">Volume Pricing</a> | 4 In Stock   |
| 25.00 | -25.00 | -26.96 | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#49-534</a> | £40.49<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 25.00 | -35.00 | -36.96 | NIR I (600-1050nm) | <a href="#">N-SF11</a> | <a href="#">#49-535</a> | £40.49<br><a href="#">Volume Pricing</a> | 6 In Stock   |
| 25.00 | -50.00 | -52.31 | NIR I (600-1050nm) | <a href="#">N-BK7</a>  | <a href="#">#49-536</a> | £40.49<br><a href="#">Volume Pricing</a> | 14 In Stock  |
| 25.00 | -      | -      | NIR I (600-1050nm) | <a href="#">N-BK7</a>  | <a href="#">#49-537</a> | £40.49<br><a href="#">Volume Pricing</a> | 13 In Stock  |
| 50.00 | -      | -      | NIR I (600-1050nm) | <a href="#">N-BK7</a>  | <a href="#">#49-538</a> | £58.66<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 50.00 | -      | -      | NIR I (600-1050nm) | <a href="#">N-BK7</a>  | <a href="#">#49-539</a> | £58.66<br><a href="#">Volume Pricing</a> | 5 In Stock   |



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