

## NIR Wire Grid Polarizers



- Designed for 700 - 2500nm
- High Transmission and High Contrast Versions Available
- Ideal for Thermal Imaging

### Common Specifications

#### Physical & Mechanical Properties

|               |           |
|---------------|-----------|
| Construction: | Wire Grid |
|---------------|-----------|

#### Optical Properties

|                         |          |                        |                                  |
|-------------------------|----------|------------------------|----------------------------------|
| Angle of Incidence (°): | 0° ±20°  |                        |                                  |
| Coating:                | Uncoated | Substrate:             | Wire Grid on Display Grade Glass |
| Surface Quality:        | 80-50    | Wavelength Range (nm): | 700 - 2500                       |

#### Material Properties

|                    |                            |
|--------------------|----------------------------|
| Thermal Expansion: | 31.7 x 10-7/°C (0 - 300°C) |
|--------------------|----------------------------|

**Technical Information**

## Products

| Thickness<br>(mm)                 | Dia.<br>(mm) | Dimensions<br>(mm) | Mount     | Extinction<br>Ratio | Transmission<br>(%) | Stock Number                                                                                                                                                                                                                                                                           | Price                                       | Buy        |
|-----------------------------------|--------------|--------------------|-----------|---------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------|
| <a href="#">#26-993 Clearance</a> |              |                    |           |                     |                     |                                                                                                                                                                                                                                                                                        |                                             |            |
| 5.80                              | 12.50        | -                  | Mounted   | 1100:1@900nm        | >81.5@900nm         | <br>Clearance<br>Availability<br>is limited,<br>so buy<br>before<br>these<br>products<br>disappear.<br>Sorry, we<br>cannot<br>accept<br>returns.<br>Receive<br>up to 80%<br>off select<br>products.   | £634.74<br><a href="#">Volume Pricing</a>   | 1 In Stock |
|                                   |              |                    |           | 3000:1@1400nm       | >87.7@1400nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           | 5500:1@1900nm       | >88.9@1900nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           | 5900:1@2400nm       | >88.6@2400nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           |                     |                     |                                                                                                                                                                                                                                                                                        |                                             |            |
| 5.80                              | 25.00        | -                  | Mounted   | 1100:1@900nm        | >81.5@900nm         | <a href="#">#26-994</a>                                                                                                                                                                                                                                                                | £783.57<br><a href="#">Volume Pricing</a>   | 3 In Stock |
|                                   |              |                    |           | 3000:1@1400nm       | >87.7@1400nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           | 5500:1@1900nm       | >88.9@1900nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           | 5900:1@2400nm       | >88.6@2400nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           |                     |                     |                                                                                                                                                                                                                                                                                        |                                             |            |
| <a href="#">#26-995 Clearance</a> |              |                    |           |                     |                     |                                                                                                                                                                                                                                                                                        |                                             |            |
| 5.80                              | -            | 25 x 25            | Mounted   | 1100:1@900nm        | >81.5@900nm         | <br>Clearance<br>Availability<br>is limited,<br>so buy<br>before<br>these<br>products<br>disappear.<br>Sorry, we<br>cannot<br>accept<br>returns.<br>Receive<br>up to 80%<br>off select<br>products. | £696.02<br><a href="#">Volume Pricing</a>   | 2 In Stock |
|                                   |              |                    |           | 3000:1@1400nm       | >87.7@1400nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           | 5500:1@1900nm       | >88.9@1900nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           | 5900:1@2400nm       | >88.6@2400nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           |                     |                     |                                                                                                                                                                                                                                                                                        |                                             |            |
| 5.80                              | 50.00        | -                  | Mounted   | 1100:1@900nm        | >81.5@900nm         | <a href="#">#26-996</a>                                                                                                                                                                                                                                                                | £1,558.39<br><a href="#">Volume Pricing</a> | 1 In Stock |
|                                   |              |                    |           | 3000:1@1400nm       | >87.7@1400nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           | 5500:1@1900nm       | >88.9@1900nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           | 5900:1@2400nm       | >88.6@2400nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           |                     |                     |                                                                                                                                                                                                                                                                                        |                                             |            |
| 1.53                              | -            | 50 x 35            | Unmounted | 1100:1@900nm        | >81.5@900nm         | <a href="#">#26-997</a>                                                                                                                                                                                                                                                                | £1,251.97<br><a href="#">Volume Pricing</a> | 1 In Stock |
|                                   |              |                    |           | 3000:1@1400nm       | >87.7@1400nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           | 5500:1@1900nm       | >88.9@1900nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           | 5900:1@2400nm       | >88.6@2400nm        |                                                                                                                                                                                                                                                                                        |                                             |            |
|                                   |              |                    |           |                     |                     |                                                                                                                                                                                                                                                                                        |                                             |            |

[#26-999 Clearance](#)



Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

|      |       |   |         |                                                                                                                 |                                                           |            |
|------|-------|---|---------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------|
| 5.80 | 25.00 | - | Mounted | 150:1@900nm >88.1@900nm<br>500:1@1400nm >91.0@1400nm<br>800:1@1900nm >91.3@1900nm<br>1000:1@2400nm >90.3@2400nm | <a href="#">£783.57</a><br><a href="#">Volume Pricing</a> | 2 In Stock |
|------|-------|---|---------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------|

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[#27-000 Clearance](#)



Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

|      |   |         |         |                                                                                                                 |                                                           |              |
|------|---|---------|---------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------|
| 5.80 | - | 25 x 25 | Mounted | 150:1@900nm >88.1@900nm<br>500:1@1400nm >91.0@1400nm<br>800:1@1900nm >91.3@1900nm<br>1000:1@2400nm >90.3@2400nm | <a href="#">£696.02</a><br><a href="#">Volume Pricing</a> | 20+ In Stock |
|------|---|---------|---------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------|

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|      |       |   |         |                                                                                                                 |                                                                                        |            |
|------|-------|---|---------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------|
| 5.80 | 50.00 | - | Mounted | 150:1@900nm >88.1@900nm<br>500:1@1400nm >91.0@1400nm<br>800:1@1900nm >91.3@1900nm<br>1000:1@2400nm >90.3@2400nm | <a href="#">#27-003</a><br><a href="#">£1,558.39</a><br><a href="#">Volume Pricing</a> | 1 In Stock |
|------|-------|---|---------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------|

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[#27-004 Clearance](#)



Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

|      |   |         |           |                                                                                                                 |                                             |            |
|------|---|---------|-----------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------|
| 1.53 | - | 50 x 35 | Unmounted | 150:1@900nm >88.1@900nm<br>500:1@1400nm >91.0@1400nm<br>800:1@1900nm >91.3@1900nm<br>1000:1@2400nm >90.3@2400nm | £1,251.97<br><a href="#">Volume Pricing</a> | 2 In Stock |
|------|---|---------|-----------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------|

