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## Mid-Wave Infrared (MWIR) and Long-Wave Infrared (LWIR) Waveplates



- Ideal for Applications in the 3 – 9μm Range
- $\lambda/4$  and  $\lambda/2$  Retardance
- Mounted for Easy Alignment and System Integration

### Common Specifications

#### Physical & Mechanical Properties

|                         |      |                |             |
|-------------------------|------|----------------|-------------|
| Clear Aperture CA (mm): | 10.0 | Diameter (mm): | 25.40       |
| Parallelism (arcmin):   | 3    | Construction:  | Crystalline |

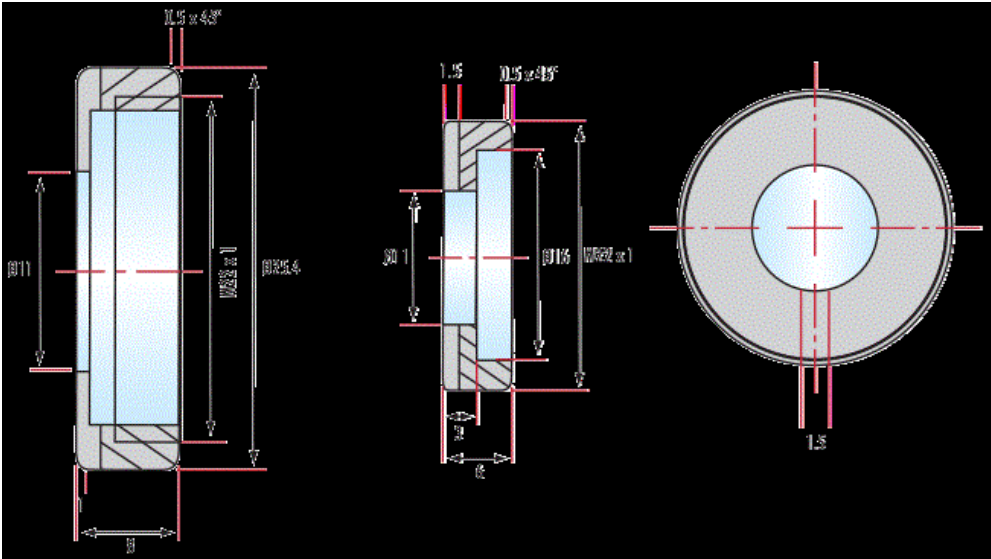
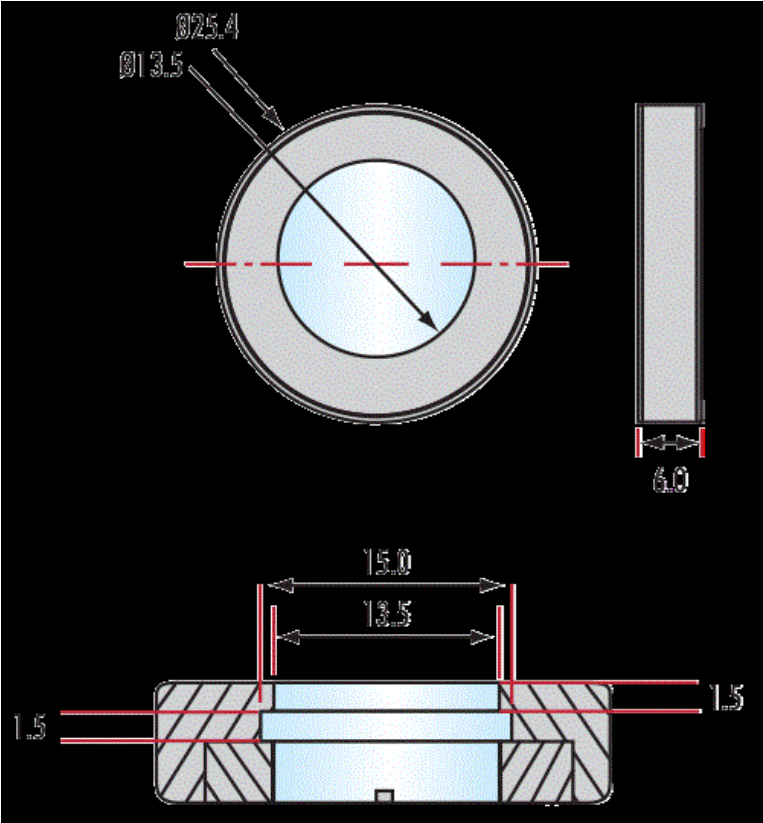
#### Optical Properties

|                             |                         |                       |                      |
|-----------------------------|-------------------------|-----------------------|----------------------|
| Substrate:                  | MgF <sub>2</sub>        | Surface Quality:      | 60-40                |
| Transmitted Wavefront, P-V: | < $\lambda/8$ @ 632.8nm | Retardance Tolerance: | $\lambda/100$ @ 20°C |
| Retardance Order:           | 0                       |                       |                      |

#### Threading & Mounting

|                       |     |
|-----------------------|-----|
| Mount Thickness (mm): | 6.0 |
|-----------------------|-----|

Technical Information



## Products

| Retardance  | DWL (nm) | CA (mm) | Dia. (mm) | Type                  | Transmitted Wavefront, P-V | Stock Number            | Price                                       | Buy        |
|-------------|----------|---------|-----------|-----------------------|----------------------------|-------------------------|---------------------------------------------|------------|
| $\lambda/4$ | 3000     | 10.0    | 25.40     | Crystalline Waveplate | $<\lambda/8$ @ 632.8nm     | <a href="#">#85-110</a> | €988,80<br><a href="#">Volume Pricing</a>   | Contact Us |
| $\lambda/4$ | 4000     | 10.0    | 25.40     | Crystalline Waveplate | $<\lambda/8$ @ 632.8nm     | <a href="#">#85-111</a> | €988,80<br><a href="#">Volume Pricing</a>   | 2 In Stock |
| $\lambda/4$ | 5000     | 10.0    | 25.40     | Crystalline Waveplate | $<\lambda/8$ @ 632.8nm     | <a href="#">#85-112</a> | €988,80<br><a href="#">Volume Pricing</a>   | 1 In Stock |
| $\lambda/4$ | 6000     | 10.0    | 25.40     | Crystalline Waveplate | $<\lambda/8$ @ 632.8nm     | <a href="#">#85-113</a> | €1.024,85<br><a href="#">Volume Pricing</a> | Contact Us |
| $\lambda/4$ | 7000     | 10.0    | 25.40     | Crystalline Waveplate | $<\lambda/8$ @ 632.8nm     | <a href="#">#85-114</a> | €1.024,85<br><a href="#">Volume Pricing</a> | Contact Us |
| $\lambda/2$ | 3000     | 10.0    | 25.40     | Crystalline Waveplate | $<\lambda/8$ @ 632.8nm     | <a href="#">#85-117</a> | €988,80<br><a href="#">Volume Pricing</a>   | Contact Us |
| $\lambda/2$ | 4000     | 10.0    | 25.40     | Crystalline Waveplate | $<\lambda/8$ @ 632.8nm     | <a href="#">#85-118</a> | €988,80<br><a href="#">Volume Pricing</a>   | Contact Us |
| $\lambda/2$ | 5000     | 10.0    | 25.40     | Crystalline Waveplate | $<\lambda/8$ @ 632.8nm     | <a href="#">#85-119</a> | €988,80<br><a href="#">Volume Pricing</a>   | 2 In Stock |
| $\lambda/2$ | 6000     | 10.0    | 25.40     | Crystalline Waveplate | $<\lambda/8$ @ 632.8nm     | <a href="#">#85-120</a> | €1.024,85<br><a href="#">Volume Pricing</a> | Contact Us |
| $\lambda/2$ | 7000     | 10.0    | 25.40     | Crystalline Waveplate | $<\lambda/8$ @ 632.8nm     | <a href="#">#85-121</a> | €1.024,85<br><a href="#">Volume Pricing</a> | Contact Us |



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