

[All Products](#) / [Optics](#) / [Polarization Optics](#) / [Retarders \(Waveplates\)](#) / [Crystalline Waveplates](#)

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

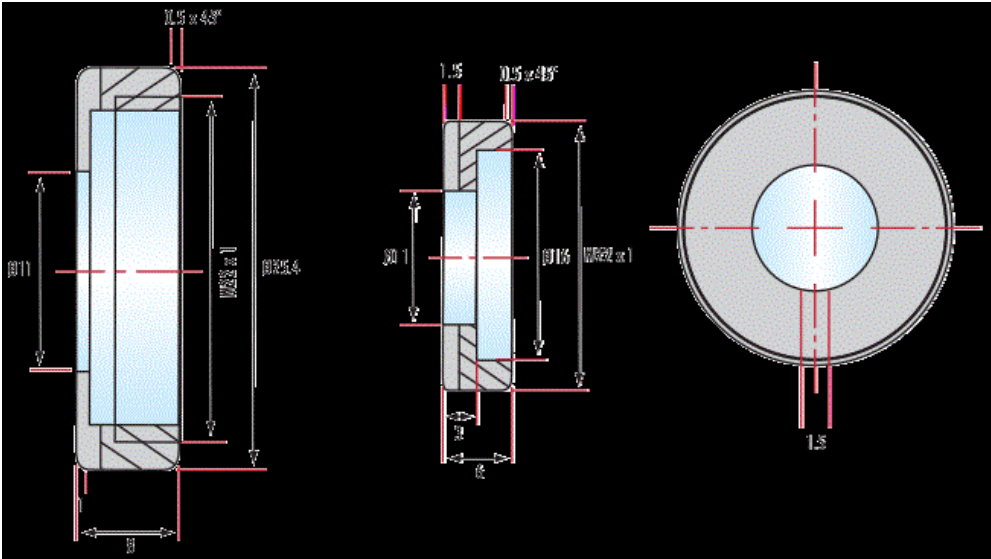
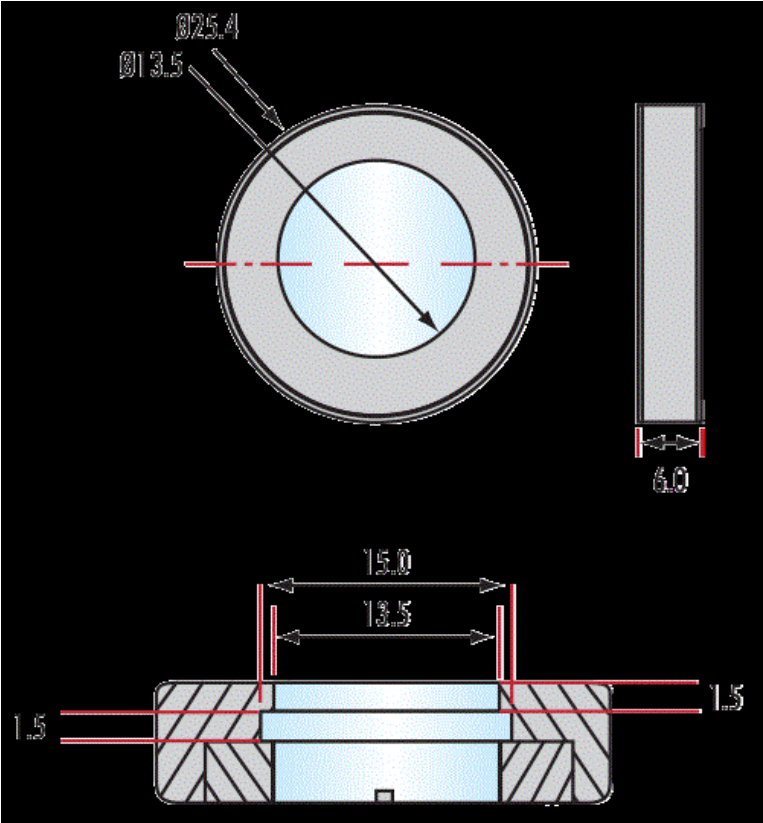
Optical Properties

Substrate:	MgF ₂	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	#85-110	£836.00 Volume Pricing	1 In Stock
$\lambda/4$	4000	10.0	25.40	Crystalline Waveplate	$<\lambda/8$ @ 632.8nm	#85-111	£836.00 Volume Pricing	Contact Us
$\lambda/4$	5000	10.0	25.40	Crystalline Waveplate	$<\lambda/8$ @ 632.8nm	#85-112	£836.00 Volume Pricing	Contact Us
$\lambda/4$	6000	10.0	25.40	Crystalline Waveplate	$<\lambda/8$ @ 632.8nm	#85-113	£864.00 Volume Pricing	Contact Us
$\lambda/4$	7000	10.0	25.40	Crystalline Waveplate	$<\lambda/8$ @ 632.8nm	#85-114	£864.00 Volume Pricing	Contact Us
$\lambda/2$	3000	10.0	25.40	Crystalline Waveplate	$<\lambda/8$ @ 632.8nm	#85-117	£836.00 Volume Pricing	Contact Us
$\lambda/2$	4000	10.0	25.40	Crystalline Waveplate	$<\lambda/8$ @ 632.8nm	#85-118	£836.00 Volume Pricing	2 In Stock
$\lambda/2$	5000	10.0	25.40	Crystalline Waveplate	$<\lambda/8$ @ 632.8nm	#85-119	£836.00 Volume Pricing	Contact Us
$\lambda/2$	6000	10.0	25.40	Crystalline Waveplate	$<\lambda/8$ @ 632.8nm	#85-120	£864.00 Volume Pricing	2 In Stock
$\lambda/2$	7000	10.0	25.40	Crystalline Waveplate	$<\lambda/8$ @ 632.8nm	#85-121	£864.00 Volume Pricing	Contact Us



Copyright 2023 | Edmund Optics, Ltd Unit 1, Opus Avenue, Nether Poppleton, York, YO26 6BL, UK

Phone: 1-800-363-1992 :

www.edmundoptics.com