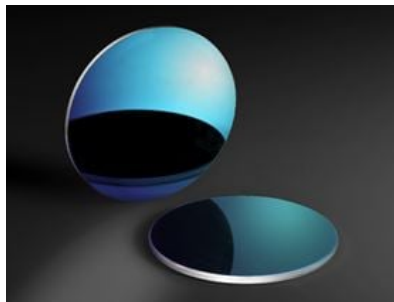


[All Products](#) / [Optics](#) / [Optical Filters](#) / [Neutral Density \(ND\) Filters](#)

Infrared (IR) Neutral Density (ND) Filters



- Spectrally Flat from 2 μ m to 14 μ m
- Precision Germanium Substrate
- **Due to material supply chain disruptions with germanium, there may be increased lead times and price changes on our germanium products. For more information, please contact our customer service team.**

Common Specifications

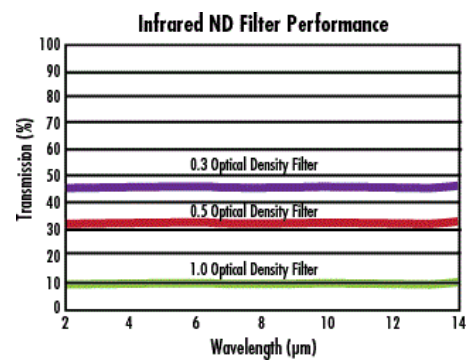
Physical & Mechanical Properties

Thickness (mm):	1.00 \pm 0.2	Parallelism (arcmin):	<10
Clear Aperture (%):	90		


Optical Properties

Substrate:	Germanium (Ge)		
Coating:	Metallic Based ND	Surface Quality:	80-50
Surface Flatness (P-V):	3 - 5 λ		

Technical Information



Products

Dia. (mm)	Optical Density OD (Average)	Thickness (mm)	Transmission (%)	Wavelength Range (µm)	Stock Number	Price	Buy
12.50	0.3	1.00	50.0	2 - 14	#12-003	A\$692.16	5 In Stock
12.50	0.5	1.00	31.6	2 - 14	#12-004	A\$692.16	4 In Stock
12.50	0.6	1.00	25.0	2 - 14	#12-005	A\$692.16	3 In Stock
12.50	0.7	1.00	20.0	2 - 14	#12-006	A\$692.16	6 In Stock
12.50	0.8	1.00	15.8	2 - 14	#12-007	A\$692.16	5 In Stock
12.50	0.9	1.00	12.6	2 - 14	#12-008	A\$692.16	3 In Stock
12.50	1.0	1.00	10.0	2 - 14	#12-009	A\$692.16	3 In Stock
12.50	1.3	1.00	5.0	2 - 14	#12-013	A\$692.16	1 In Stock
12.50	1.5	1.00	3.2	2 - 14	#12-014	A\$692.16	3 In Stock
12.50	2.0	1.00	1.0	2 - 14	#12-015	A\$692.16	5 In Stock
12.50	2.5	1.00	0.32	2 - 14	#12-016	A\$692.16	2 In Stock
12.50	3.0	1.00	0.10	2 - 14	#12-017	A\$692.16	1 In Stock
#64-353 Clearance							
							
Clearance							
Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.							
25.00	0.3	1.00	50.0	2 - 14		A\$1,062.96	Contact Us

[#64-354 Clearance](#)



Clearance

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

25.00	0.5	1.00	31.6	2 - 14	A\$1,062.96	1 In Stock
-------	-----	------	------	--------	-------------	------------

[#87-197 Clearance](#)



Clearance

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

25.00	0.6	1.00	25.0	2 - 14	A\$1,062.96	5 In Stock
-------	-----	------	------	--------	-------------	------------

[#12-000 Clearance](#)



Clearance

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

25.00	0.7	1.00	20.0	2 - 14	A\$1,062.96	4 In Stock
-------	-----	------	------	--------	-------------	------------

[#12-001 Clearance](#)



Clearance

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

25.00	0.8	1.00	15.8	2 - 14	A\$1,062.96	3 In Stock
-------	-----	------	------	--------	-------------	------------

[#87-198 Clearance](#)



Clearance

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

25.00	0.9	1.00	12.6	2 - 14	A\$1,062.96	1 In Stock
-------	-----	------	------	--------	-------------	------------

[#64-355 Clearance](#)



Clearance

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

25.00	1.0	1.00	10.0	2 - 14	A\$1,062.96	8 In Stock
-------	-----	------	------	--------	-------------	------------

[#87-199 Clearance](#)



Clearance

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

25.00	1.3	1.00	5.0	2 - 14	A\$1,062.96	3 In Stock
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[#87-200 Clearance](#)



Clearance

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

25.00	1.5	1.00	3.2	2 - 14	A\$1,062.96	3 In Stock
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[#64-356 Clearance](#)



Clearance

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

25.00	2.0	1.00	1.0	2 - 14	A\$1,062.96	Contact Us
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[#12-002 Clearance](#)



Clearance

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

25.00	2.5	1.00	0.32	2 - 14	A\$1,062.96	4 In Stock
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[#64-357 Clearance](#)



Clearance

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

25.00	3.0	1.00	0.10	2 - 14	A\$1,062.96	2 In Stock
-------	-----	------	------	--------	-------------	------------

[#12-243 Clearance](#)



Clearance

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

25.00	0.3	1.00	50.0	5.8 - 6.4	A\$1,062.96	1 In Stock
-------	-----	------	------	-----------	-------------	------------

[#12-244 Clearance](#)



Clearance

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

25.00	0.5	1.00	31.6	5.8 - 6.4	A\$1,062.96	1 In Stock
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[#12-245 Clearance](#)



Clearance

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

25.00	1.0	1.00	10.0	5.8 - 6.4	A\$1,062.96	1 In Stock
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[#12-246 Clearance](#)



Clearance

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



5.8 - 6.4

A\$1,062.96

3 In Stock

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50.00	0.3	1.00	50.0	2 - 14	#64-358	A\$2,060.00	Contact Us
50.00	0.5	1.00	31.6	2 - 14	#64-359	A\$2,060.00	1 In Stock
50.00	0.6	1.00	25.0	2 - 14	#87-201	A\$2,060.00	2 In Stock
50.00	0.9	1.00	12.6	2 - 14	#87-202	A\$2,060.00	2 In Stock
50.00	1.0	1.00	10.0	2 - 14	#64-360	A\$2,060.00	2 In Stock
50.00	1.3	1.00	5.0	2 - 14	#87-203	A\$2,060.00	2 In Stock
50.00	1.5	1.00	3.2	2 - 14	#87-204	A\$2,060.00	1 In Stock
50.00	2.0	1.00	1.0	2 - 14	#64-361	A\$2,060.00	1 In Stock
50.00	3.0	1.00	0.10	2 - 14	#64-362	A\$2,060.00	1 In Stock