

[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

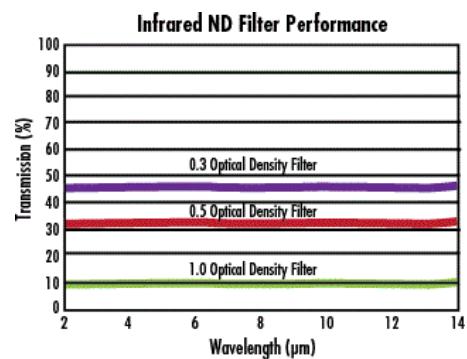
Physical & Mechanical Properties

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	S\$588.00	4 In Stock
12.50	0.5	1.00	31.6	2 - 14	#12-004	S\$588.00	4 In Stock
12.50	0.6	1.00	25.0	2 - 14	#12-005	S\$588.00	3 In Stock
12.50	0.7	1.00	20.0	2 - 14	#12-006	S\$588.00	6 In Stock
12.50	0.8	1.00	15.8	2 - 14	#12-007	S\$588.00	5 In Stock
12.50	0.9	1.00	12.6	2 - 14	#12-008	S\$588.00	3 In Stock
12.50	1.0	1.00	10.0	2 - 14	#12-009	S\$588.00	3 In Stock
12.50	1.3	1.00	5.0	2 - 14	#12-013	S\$588.00	1 In Stock
12.50	1.5	1.00	3.2	2 - 14	#12-014	S\$588.00	3 In Stock
12.50	2.0	1.00	1.0	2 - 14	#12-015	S\$588.00	5 In Stock
12.50	2.5	1.00	0.32	2 - 14	#12-016	S\$588.00	2 In Stock
12.50	3.0	1.00	0.10	2 - 14	#12-017	S\$588.00	5 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	#12-018	S\$903.00	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 S\$903.00 [Contact Us](#)

[#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 S\$903.00 5 In Stock

[#12-000 Clearance](#)

25.00	0.7	1.00	20.0	2 - 14	Clearance Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	S\$903.00	4 In Stock
-------	-----	------	------	--------	---	-----------	------------

[#12-001 Clearance](#)

25.00	0.8	1.00	15.8	2 - 14	Clearance Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	S\$903.00	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	S\$903.00	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	S\$903.00	5 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	S\$903.00	2 In Stock
-------	-----	------	-----	--------	-----------	------------

[#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	S\$903.00	1 In Stock
-------	-----	------	-----	--------	-----------	------------

[#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 S\$903.00 [Contact Us](#)

[#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 S\$903.00 4 In Stock

[#64-357 Clearance](#)

25.00	3.0	1.00	0.10	2 - 14	<p>Clearance</p> <p>Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.</p>	S\$903.00	Contact Us
-------	-----	------	------	--------	--	-----------	------------

[#12-243 Clearance](#)

25.00	0.3	1.00	50.0	5.8 - 6.4	<p>Clearance</p> <p>Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.</p>	S\$903.00	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	S\$903.00	1 In Stock
-------	-----	------	------	-----------	-----------	------------

[#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	S\$903.00	1 In Stock
-------	-----	------	------	-----------	-----------	------------



Clearance

Availability
is limited,
so buy
before
these
products
disappear.

S\$903.00

3 In Stock



5.8 - 6.4

Shipping
cannot
accept
returns.
Receive
up to 80%
off select
products.

Copyright 2024, Edmund Optics Singapore Pte. Ltd, 18 Woodlands Loop 1 #04-00, Singapore 738100

[PRIVACY POLICY](#) [COOKIE POLICY](#) [TERMS & CONDITIONS](#)

Phone: 1-800-363-1992 :

www.edmundoptics.com

50.00	0.3	1.00	50.0	2 - 14	#64-358	S\$1,750.00	1 In Stock
50.00	0.5	1.00	31.6	2 - 14	#64-359	S\$1,750.00	2 In Stock
50.00	0.6	1.00	25.0	2 - 14	#87-201	S\$1,750.00	2 In Stock
50.00	0.9	1.00	12.6	2 - 14	#87-202	S\$1,750.00	2 In Stock
50.00	1.0	1.00	10.0	2 - 14	#64-360	S\$1,750.00	3 In Stock
50.00	1.3	1.00	5.0	2 - 14	#87-203	S\$1,750.00	2 In Stock
50.00	1.5	1.00	3.2	2 - 14	#87-204	S\$1,750.00	2 In Stock
50.00	2.0	1.00	1.0	2 - 14	#64-361	S\$1,750.00	2 In Stock
50.00	3.0	1.00	0.10	2 - 14	#64-362	S\$1,750.00	2 In Stock