

[All Products](#) / [Optics](#) / [Windows and Diffusers](#) / [UV and IR Windows](#)**TECHSPEC® Germanium (Ge) Windows**

- Uncoated or with AR Coatings Designed for a Variety of IR Ranges
- Minimal Chromatic Aberration Due to Low Dispersion
- Ideal for Infrared Applications Requiring Rugged Optics
- [DLC Coated Germanium Windows](#) are also Available
- 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](#).
- Edmund Optics has limited remaining inventory of this part number and no raw material available to supply more once this is depleted. Please contact our Product Support Engineers to help with an alternate solution for your needs. Customer Service can provide you the latest price and availability.

**Common Specifications****Physical & Mechanical Properties**

<b>Bevel:</b>	Protective as needed	<b>Knoop Hardness (kg/mm<sup>2</sup>):</b>	780.00
<b>Poisson's Ratio:</b>	0.28	<b>Young's Modulus (GPa):</b>	102.7

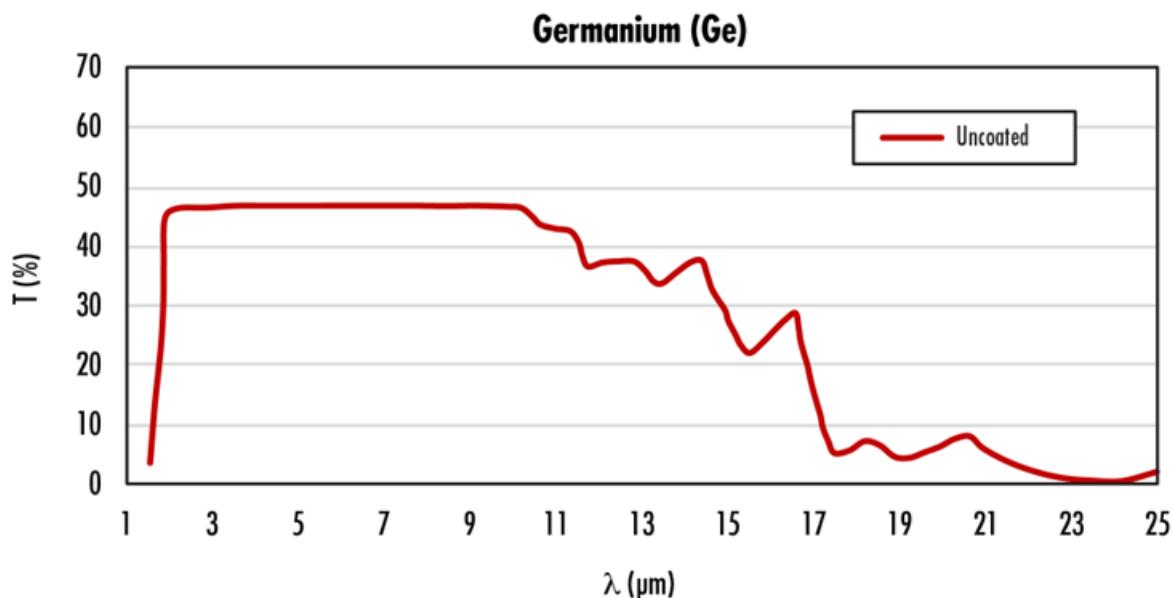
**Optical Properties**

<b>Substrate:</b>	Germanium (Ge)
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**Material Properties**

<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>	6.1
<b>Density (g/cm<sup>3</sup>):</b>	5.33

## Technical Information



## Products

Dia. (mm)	Thickness (mm)	Coating	Stock Number	Price	Buy
10.00	1.50	Uncoated	<a href="#">#68-734</a>	£300.00	20+ In Stock
10.00	1.50	BBAR (3000- 5000nm)	<a href="#">#89-558</a>	£424.00	10 In Stock
10.00	1.50	BBAR (3000- 12000nm)	<a href="#">#62-643</a>	£424.00	4 In Stock
10.00	1.50	BBAR (8000- 12000nm)	<a href="#">#47-685</a>	£424.00	20+ In Stock
12.50	1.00	Uncoated	<a href="#">#83-341</a>	£339.20	20+ In Stock
12.50	1.00	BBAR (3000- 12000nm)	<a href="#">#83-347</a>	£464.00	Contact Us
12.50	1.00	BBAR (8000- 12000nm)	<a href="#">#83-353</a>	£464.00	20+ In Stock
12.50	2.00	Uncoated	<a href="#">#68-735</a>	£348.00	Contact Us
12.50	2.00	BBAR (3000- 5000nm)	<a href="#">#89-560</a>	£472.00	Contact Us
12.50	2.00	BBAR (8000- 12000nm)	<a href="#">#47-686</a>	£472.00	20+ In Stock
12.50	3.00	BBAR (3000- 5000nm)	<a href="#">#89-561</a>	£480.00	Contact Us

[#74-430 Clearance](#)



Clearance

12.70	3.00	Uncoated	<p>Availability is limited, so buy before these products disappear.</p> <p>Sorry, we cannot accept returns.</p> <p>Receive up to 80% off select products.</p>	£382.40	6 In Stock
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[#74-433 Clearance](#)



Clearance

12.70	3.00	AR Coated: 7 - 12 µm	<p>Availability is limited, so buy before these products disappear.</p> <p>Sorry, we cannot accept returns.</p> <p>Receive up to 80% off select products.</p>	£480.00	5 In Stock
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20.00	2.00	Uncoated	<a href="#"><u>#68-736</u></a>	£416.00	20+ In Stock
20.00	2.00	BBAR (3000-5000nm)	<a href="#"><u>#89-562</u></a>	£548.00	15 In Stock
20.00	2.00	BBAR (8000-12000nm)	<a href="#"><u>#63-213</u></a>	£548.00	20+ In Stock
25.00	1.00	Uncoated	<a href="#"><u>#83-343</u></a>	£456.00	4 In Stock
25.00	2.00	BBAR (3000-5000nm)	<a href="#"><u>#89-564</u></a>	£680.00	6 In Stock
25.00	3.00	Uncoated	<a href="#"><u>#68-737</u></a>	£488.00	20+ In Stock
25.00	3.00	BBAR (3000-5000nm)	<a href="#"><u>#89-565</u></a>	£696.00	12 In Stock

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25.00	5.00	Uncoated	<a href="#">#23-139</a>	£520.00	20+ In Stock
25.00	5.00	BBAR (8000- 12000nm)	<a href="#">#23-154</a>	£724.00	4 In Stock
25.40	3.00	Uncoated	<a href="#">#11-862</a>	£460.00	10 In Stock
25.40	3.00	BBAR (3000- 5000nm)	<a href="#">#11-865</a>	£696.00	2 In Stock
25.40	3.00	BBAR (8000- 12000nm)	<a href="#">#11-871</a>	£696.00	1 In Stock

[#74-431 Clearance](#)



Clearance

25.40	5.00	Uncoated	<p>Availability is limited, so buy before these products disappear.</p> <p>Sorry, we cannot accept returns.</p> <p>Receive up to 80% off select products.</p>	£488.00	20+ In Stock
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[#74-432 Clearance](#)



Clearance

25.40	5.00	AR Coated: 1.9 - 6 $\mu$ m	<p>Availability is limited, so buy before these products disappear.</p> <p>Sorry, we cannot accept returns.</p> <p>Receive up to 80% off select products.</p>	£696.00	4 In Stock
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[#74-434 Clearance](#)



Clearance

25.40	5.00	AR Coated: 7 - 12 $\mu$ m	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	£480.00	2 In Stock
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30.00	1.00	Uncoated	<a href="#"><u>#23-140</u></a>	£580.00	11 In Stock
30.00	3.00	BBAR (8000- 12000nm)	<a href="#"><u>#63-214</u></a>	£824.00	Contact Us
40.00	2.00	Uncoated	<a href="#"><u>#23-141</u></a>	£872.00	20+ In Stock
40.00	4.00	Uncoated	<a href="#"><u>#68-739</u></a>	£932.00	20+ In Stock
40.00	4.00	BBAR (3000- 5000nm)	<a href="#"><u>#89-567</u></a>	£1,128.00	4 In Stock
40.00	4.00	BBAR (8000- 12000nm)	<a href="#"><u>#63-215</u></a>	£1,128.00	Contact Us
50.00	1.00	Uncoated	<a href="#"><u>#83-345</u></a>	£1,104.00	13 In Stock
50.00	1.00	BBAR (3000- 5000nm)	<a href="#"><u>#89-568</u></a>	£1,404.00	3 In Stock
50.00	2.00	BBAR (3000- 5000nm)	<a href="#"><u>#89-569</u></a>	£1,424.00	14 In Stock
50.00	2.00	BBAR (8000- 12000nm)	<a href="#"><u>#83-358</u></a>	£1,404.00	Contact Us
50.00	3.00	Uncoated	<a href="#"><u>#68-740</u></a>	£1,148.00	20+ In Stock
75.00	3.00	Uncoated	<a href="#"><u>#23-143</u></a>	£2,052.00	Contact Us
75.00	5.00	Uncoated	<a href="#"><u>#68-741</u></a>	£2,264.00	Contact Us

76.20	5.00	BBAR (3000- 5000nm)	<a href="#"><u>#11-867</u></a>	£2,564.00	5 In Stock
100.00	6.00	Uncoated	<a href="#"><u>#17-669</u></a>	£4,136.00	8 In Stock



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