

TECHSPEC<sup>®</sup>

15 mm Durchm. x 50 mm Brennweite, YAG-BBAR AR beschichtete DCX Linse, geschwärzt



YAG-BBAR Coated Double-Convex (DCX) Lenses



Produkt **#89-252-INK** KONTAKT

-

1

+

€62<sup>00</sup>

+ WARENKORB

| Mengenrabatte |                                 |
|---------------|---------------------------------|
| Stk. 1-9      | €62,00 stückpreis               |
| Stk. 10-24    | €56,00 stückpreis               |
| Stk. 25-99    | €49,75 stückpreis               |
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📌 Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

Produktdetails

Double-Convex Lens

Typ:

Physikalische und mechanische Eigenschaften

|                      |                             |
|----------------------|-----------------------------|
| 15.00 ±0.025         | Durchmesser (mm):           |
| <1                   | Zentrierung (Bogenminuten): |
| Protective as needed | Fase:                       |
| 3.00                 | Mittendicke CT (mm):        |
| ±0.10                | Toleranz Mittendicke (mm):  |
| 1.9                  | Randdicke ET (mm):          |
| 14.00                | Freie Apertur CA (mm):      |

Optische Eigenschaften

|                                                                                                              |                                             |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| 49.00                                                                                                        | Hintere Brennweite BFL (mm):                |
| 50.00                                                                                                        | Effektive Brennweite EFL (mm):              |
| YAG-BBAR (500-1100nm)                                                                                        | Beschichtung:                               |
| R <sub>abs</sub> <0.25% @ 532nm<br>R <sub>abs</sub> <0.25% @ 1064nm<br>R <sub>avg</sub> <1.0% @ 500 - 1100nm | Beschichtungsspezifikation:                 |
| N-BK7                                                                                                        | Substrat: <input type="checkbox"/>          |
| 40-20                                                                                                        | Oberflächenqualität:                        |
| 51.16                                                                                                        | Radius R <sub>1</sub> =R <sub>2</sub> (mm): |
| 3.33                                                                                                         | Blende:                                     |
| 587.6                                                                                                        | Designwellenlänge Brennweite (nm):          |
| ±1                                                                                                           | Toleranz Brennweite (%):                    |
| 0.15                                                                                                         | Numerische Apertur NA:                      |
| 350 - 2200                                                                                                   | Wellenlängenbereich (nm):                   |

Konformität mit Standards

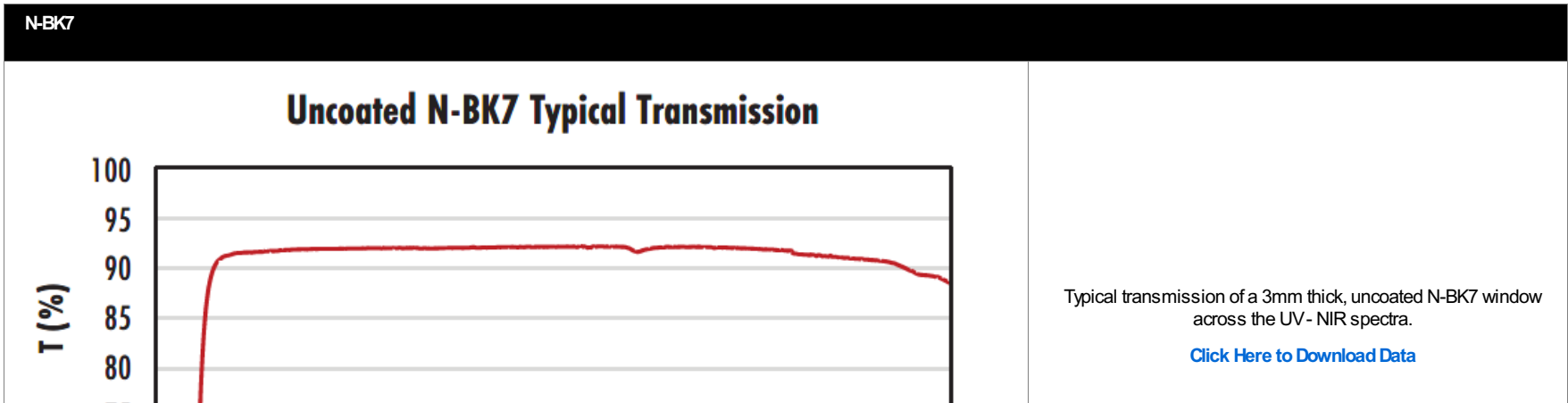
|          |                         |
|----------|-------------------------|
| Anzeigen | Konformitätszertifikat: |
|----------|-------------------------|

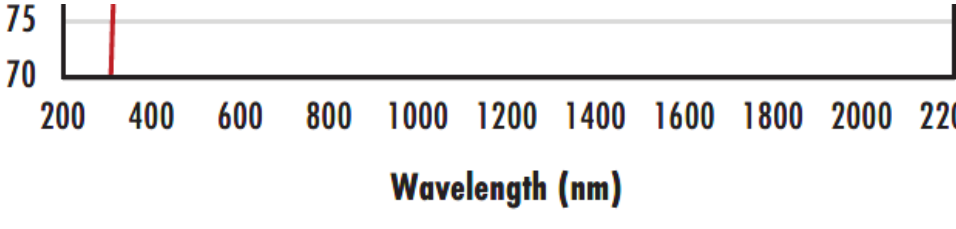
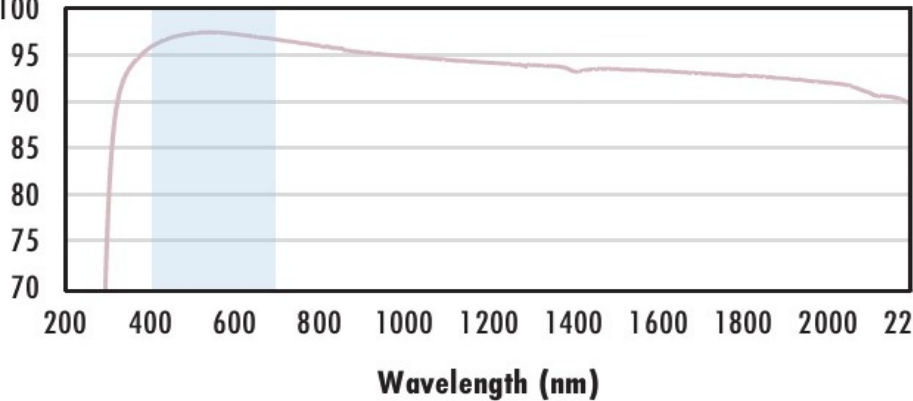
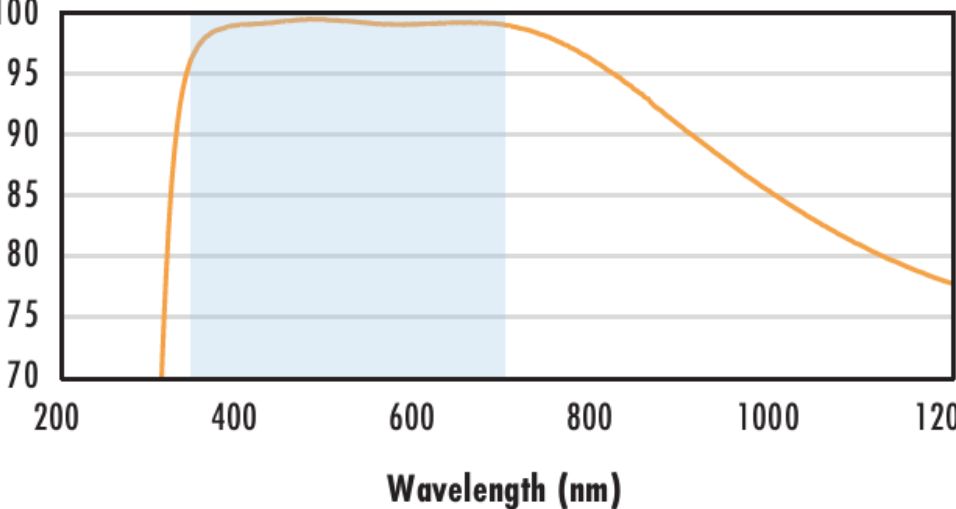
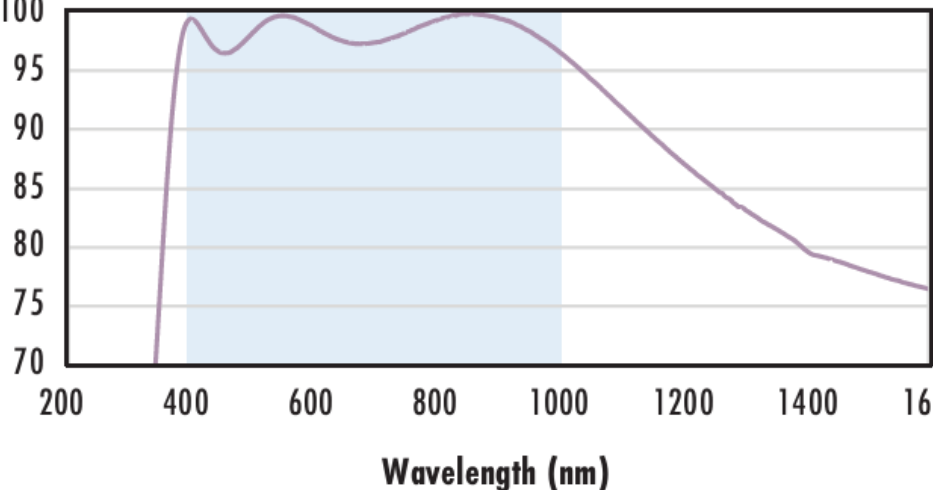
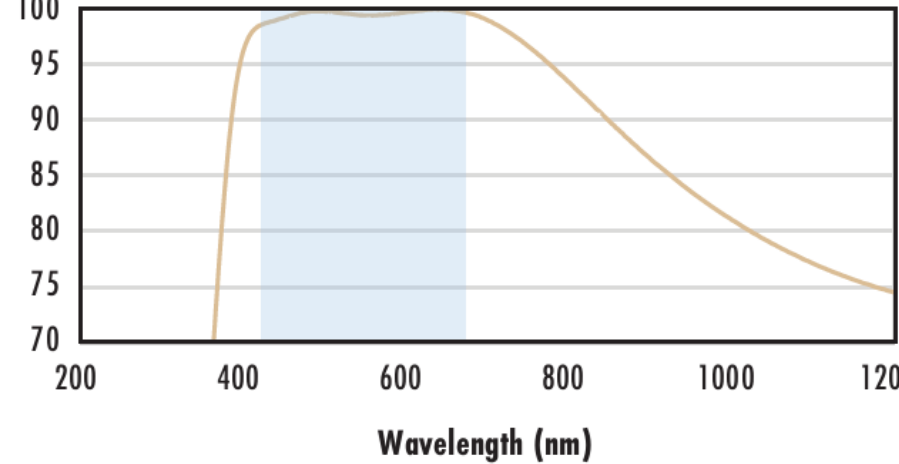
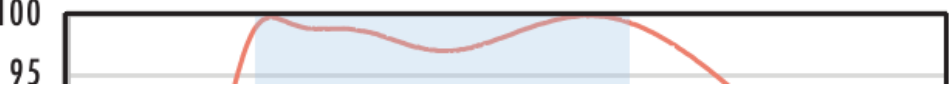
Produktdetails

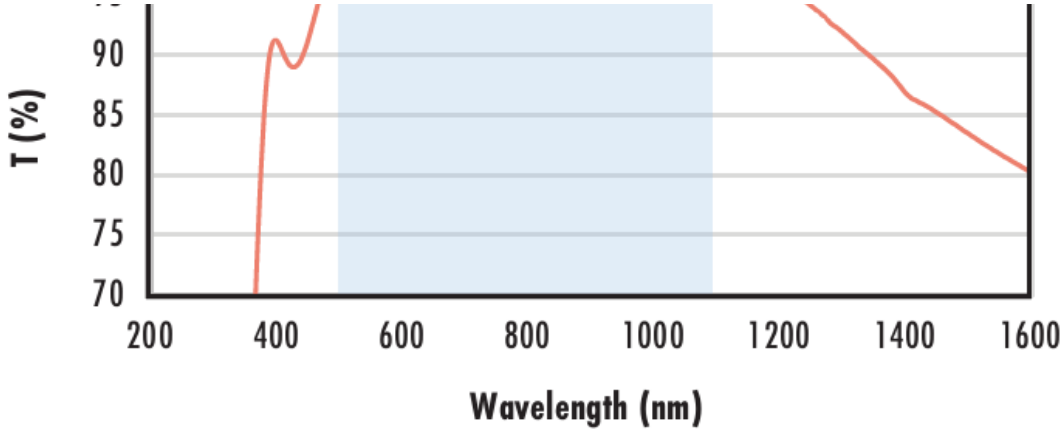
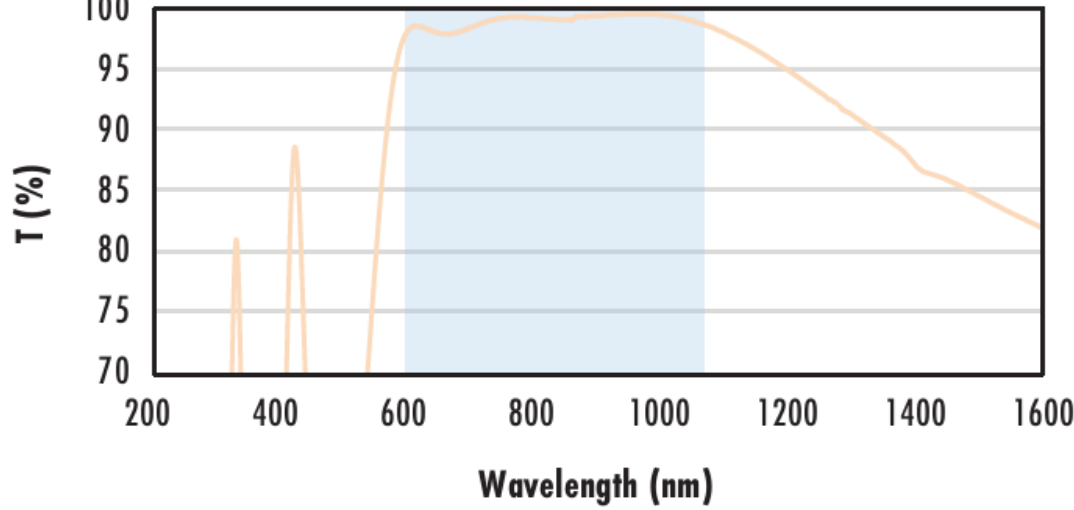
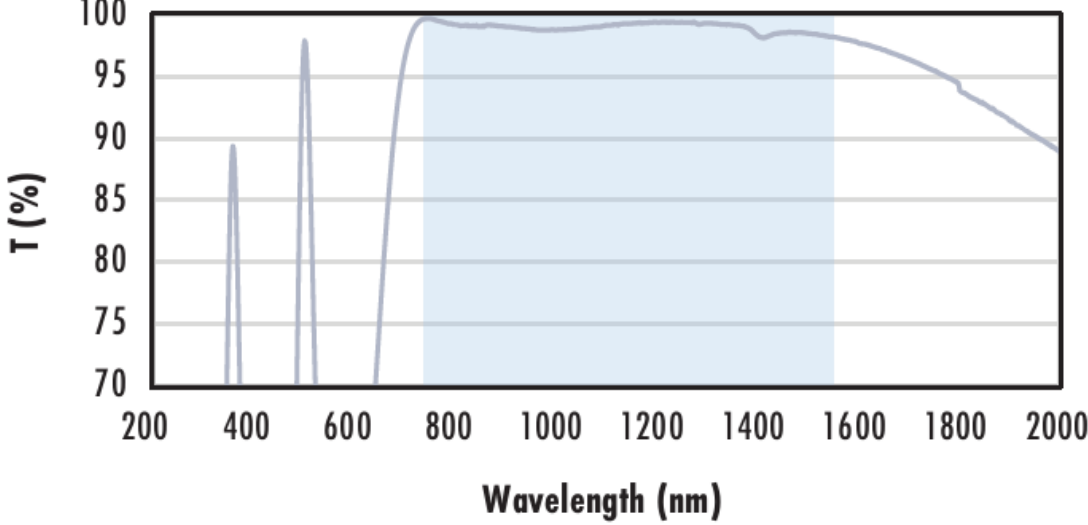
- Optimiert für R <0,25% @ 532 nm und 1064 nm
- Minimieren Aberrationen wie sphärische Aberration oder Koma
- [DCX-Linsen aus UV-Quarzglas](#) sind ebenfalls verfügbar
- Weitere Beschichtungen verfügbar: [Unbeschichtet](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#) und [VIS-EXT](#)

Die TECHSPEC® DCX-Linsen mit AR-Beschichtung YAG-BBAR, auch bikonvexe Linsen genannt, haben zwei positive, symmetrische Oberflächen mit gleichem Krümmungsradius auf beiden Seiten. Die Linsen werden generell für Bildgebungen mit endlichem Abstand und Konjugiertenverhältnis (Verhältnis zwischen Objekt- und Bildweite) zwischen 0,2 und 5 empfohlen. Bei einem Konjugiertenverhältnis von 1 sind Aberrationen wie sphärische Aberration, chromatische Aberration, Koma und Verzeichnung aufgrund des symmetrischen Linsendesigns minimiert oder sogar ganz eliminiert. Die TECHSPEC® doppelkonvexen Linsen sind mit verschiedenen Substraten und verschiedenen Beschichtungsoptionen für VIS und NIR verfügbar.

Technische Informationen



|                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <p data-bbox="590 338 953 418"><b>N-BK7 with MgF<sub>2</sub> Coating</b><br/><b>Typical Transmission</b></p>  | <p data-bbox="1339 427 1843 477">Typical transmission of a 3mm thick N-BK7 window with MgF<sub>2</sub> (400-700nm) coating at 0° AOI.</p> <p data-bbox="1339 489 1850 540">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1436 552 1745 575"><math>R_{avg} \leq 1.75\% @ 400 - 700\text{nm (N-BK7)}</math></p> <p data-bbox="1339 587 1839 638">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1474 649 1709 673"><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                                 |
| <p data-bbox="590 854 1016 934"><b>N-BK7 with VIS-EXT Coating</b><br/><b>Typical Transmission</b></p>        | <p data-bbox="1339 1020 1850 1071">Typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI.</p> <p data-bbox="1339 1083 1850 1133">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1478 1145 1703 1169"><math>R_{avg} \leq 0.5\% @ 350 - 700\text{nm}</math></p> <p data-bbox="1339 1181 1839 1231">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1474 1243 1709 1267"><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                                        |
| <p data-bbox="590 1495 1003 1576"><b>N-BK7 with VIS-NIR Coating</b><br/><b>Typical Transmission</b></p>     | <p data-bbox="1339 1614 1850 1665">Typical transmission of a 3mm thick N-BK7 window with VIS-NIR (400-1000nm) coating at 0° AOI.</p> <p data-bbox="1339 1676 1850 1727">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1478 1739 1688 1762"><math>R_{abs} \leq 0.25\% @ 880\text{nm}</math></p> <p data-bbox="1478 1762 1709 1786"><math>R_{avg} \leq 1.25\% @ 400 - 870\text{nm}</math></p> <p data-bbox="1478 1786 1709 1810"><math>R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}</math></p> <p data-bbox="1339 1846 1839 1896">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1474 1908 1709 1932"><a href="#">Click Here to Download Data</a></p> |
| <p data-bbox="590 2119 974 2199"><b>N-BK7 with VIS 0° Coating</b><br/><b>Typical Transmission</b></p>       | <p data-bbox="1339 2249 1843 2300">Typical transmission of a 3mm thick N-BK7 window with VIS 0° (425-675nm) coating at 0° AOI.</p> <p data-bbox="1339 2312 1850 2362">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1478 2374 1703 2398"><math>R_{avg} \leq 0.4\% @ 425 - 675\text{nm}</math></p> <p data-bbox="1339 2410 1839 2460">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1474 2472 1709 2496"><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                                         |
| <p data-bbox="569 2712 1037 2792"><b>N-BK7 with YAG-BBAR Coating</b><br/><b>Typical Transmission</b></p>    | <p data-bbox="1339 2843 1839 2893">Typical transmission of a 3mm thick N-BK7 window with YAG-BBAR (500-1100nm) coating at 0° AOI.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                             | <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{abs} \leq 0.25\% @ 532nm</math><br/><math>R_{abs} \leq 0.25\% @ 1064nm</math><br/><math>R_{avg} \leq 1.0\% @ 500 - 1100nm</math></p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p>                                                                                                                 |
| <p><b>N-BK7 with NIR I Coating</b><br/><b>Typical Transmission</b></p>    | <p>Typical transmission of a 3mm thick N-BK7 window with NIR I (600 - 1050nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{avg} \leq 0.5\% @ 600 - 1050nm</math></p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p>                                                                                                       |
| <p><b>N-BK7 with NIR II Coating</b><br/><b>Typical Transmission</b></p>  | <p>Typical transmission of a 3mm thick N-BK7 window with NIR II (750 - 1550nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{abs} \leq 1.5\% @ 750 - 800nm</math><br/><math>R_{abs} \leq 1.0\% @ 800 - 1550nm</math><br/><math>R_{avg} \leq 0.7\% @ 750 - 1550nm</math></p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p> |

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