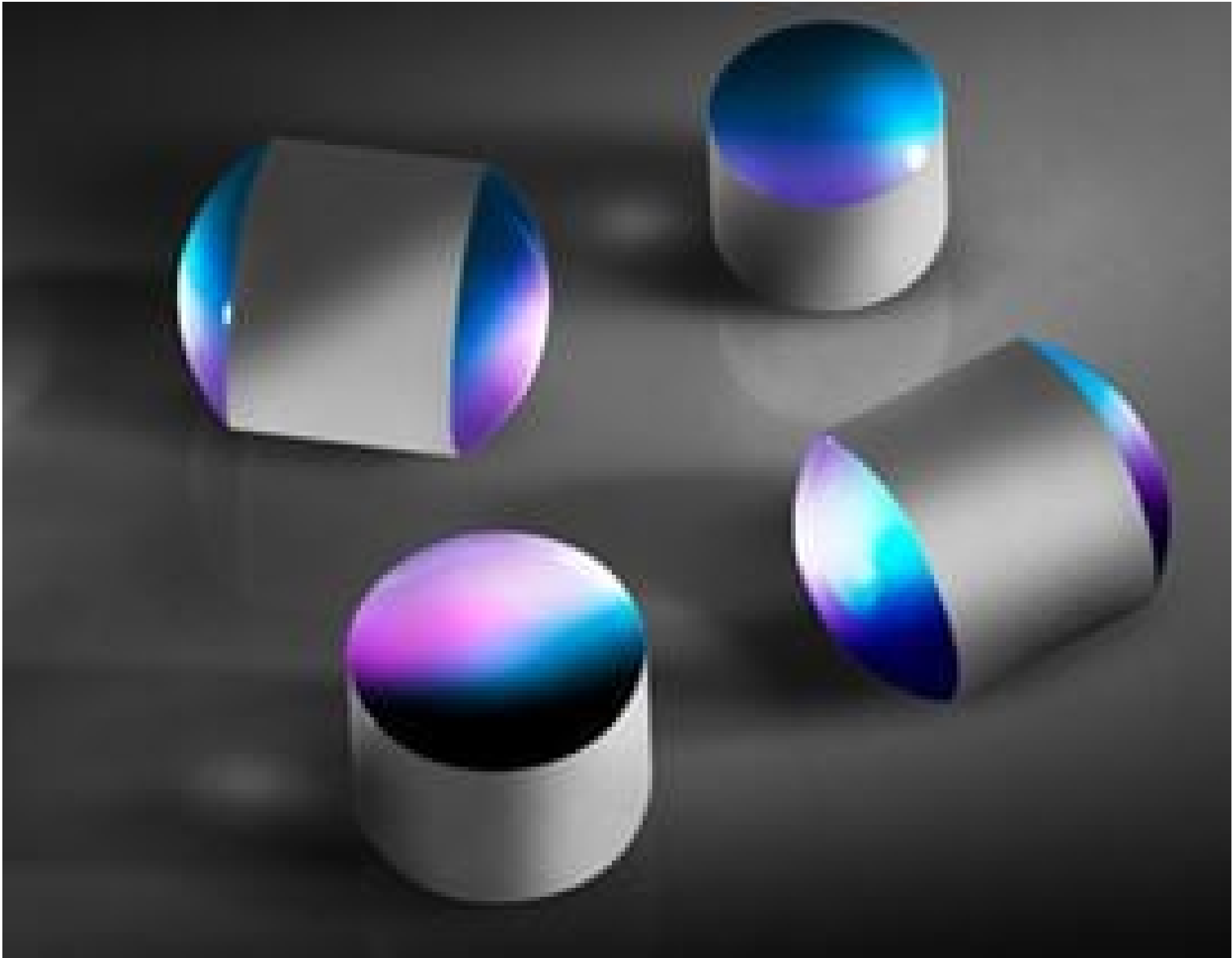


TECHSPEC<sup>®</sup> 2.4mm Diameter x 3.0mm Length, N-BK7 Drum Lens



Stock **#45-549** 20+ In Stock

-

1

+

A\$104<sup>.80</sup>

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| Volume Pricing |                               |
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| Qty 1+         | A\$104.80 each                |
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SPECIFICATIONS

General

Drum LensType:

Physical & Mechanical Properties

2.40Diameter (mm):

|         |                          |
|---------|--------------------------|
| 3.00    | Length (mm):             |
| ±3      | Length Tolerance (µm):   |
| 1.50    | Radius R (mm):           |
| +0/-1.5 | Radius Tolerance (µm):   |
| +0/-50  | Diameter Tolerance (µm): |

| Optical Properties |                                        |
|--------------------|----------------------------------------|
| N-BK7              | Substrate: <input type="text"/>        |
| Uncoated           | Coating:                               |
| 350 - 2200         | Wavelength Range (nm):                 |
| 1.517              | Index of Refraction (n <sub>d</sub> ): |
| 40-20              | Surface Quality:                       |

| Regulatory Compliance |                             |
|-----------------------|-----------------------------|
| Compliant             | RoHS 2015:                  |
| Compliant             | Reach 219:                  |
| View                  | Certificate of Conformance: |

## PRODUCT DETAILS

- Easier to Mount and Handle Than Standard Ball Lenses
- Drum lenses are glass spheres, ground down axially to provide a mounting surface. The ground circumference D simplifies handling issues typically associated with ball lenses. Ideal for optical transmission in fiber communications. Type B Drum lenses have a polished plano-surface for direct fiber contact and perform as elongated PCX lenses.

## TECHNICAL INFORMATION

| D                       | Radius R | Length | Length L2 | Stock No. |
|-------------------------|----------|--------|-----------|-----------|
| Type A Drum Lenses      |          |        |           |           |
| 2mm                     | 1.25mm   | 2.5mm  | 1.5mm     | #45-548   |
|                         |          |        |           | #45-739   |
|                         |          |        |           | #45-836   |
|                         |          |        |           | #45-663   |
|                         |          |        |           | #45-743   |
| 2.4mm                   | 1.5mm    | 3mm    | 1.8mm     | #45-549   |
|                         |          |        |           | #45-837   |
|                         |          |        |           | #45-664   |
|                         |          |        |           | #45-744   |
| 3.2mm                   | 2mm      | 4mm    | 2.4mm     | #45-550   |
|                         |          |        |           | #45-741   |
|                         |          |        |           | #45-838   |
|                         |          |        |           | #45-665   |
|                         |          |        |           | #45-745   |
| 4mm                     | 2.5mm    | 5mm    | 3mm       | #45-551   |
|                         |          |        |           | #45-839   |
|                         |          |        |           | #45-742   |
|                         |          |        |           | #45-666   |
| Type B Half-Drum Lenses |          |        |           |           |
| 2mm                     | 1.25mm   | 2mm    | 1.5mm     | #46-524   |
|                         |          |        |           | #46-528   |
| 2.4mm                   | 1.5mm    | 2.4mm  | 1.8mm     | #46-525   |
|                         |          |        |           | #46-529   |
| 3.2mm                   | 2mm      | 3.2mm  | 2.4mm     | #46-526   |
|                         |          |        |           |           |

|     |       |     |     |         |
|-----|-------|-----|-----|---------|
|     |       |     |     | #46-530 |
| 4mm | 2.5mm | 4mm | 3mm | #46-527 |
|     |       |     |     | #46-531 |

Diagram of a Drum Lens (Type A). The lens has a total width  $L$ , height  $D$ , and a central flat region of width  $L_2$ . The radius of the rounded ends is  $R$ , where  $R = L/2$ . The top and bottom surfaces are labeled "Polished", and the side surfaces are labeled "Ground". A dashed circle indicates the "Ball Lens Dia."

**Drum Lenses (Type A)**

Diagram of a Half-Drum Lens (Type B). The lens has a total width  $L$ , height  $D$ , and a central flat region of width  $L_2$ . The radius of the rounded ends is  $R$ . The top and bottom surfaces are labeled "Polished", and the side surfaces are labeled "Ground". A dashed circle indicates the "Ball Lens Dia."

**Half-Drum Lenses (Type B)**