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## 12.7mm Dia., 650 - 1350nm, Complementary Chirped Mirror Pair

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UltraFast Innovations (UFI) Ultra-Broadband Complementary Chirped Mirror Pairs

Stock **#14-673** **20+ In Stock**

⊖ 1 ⊕ A\$2,632<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-9	A\$2,632.00 each
Qty 10+	A\$2,328.00 each
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### Product Downloads

#### General

Sold as a Set of 2 **Note:**

#### Physical & Mechanical Properties

10 ±5 **Wedge Angle (arcmin):**

80 **Clear Aperture (%):**

Commercial Polish	<b>Back Surface:</b>
12.70 +0.00/-0.10	<b>Diameter (mm):</b>
6.35 ±0.20	<b>Thickness (mm):</b>
Protective as needed	<b>Bevel:</b>
<b>Optical Properties</b>	
<b>Coating Specification:</b> R <sub>avg</sub> >99% @ 650 - 1350nm (3° AOI, p-polarization)	
<b>GDD Specification:</b> -60fs <sup>2</sup> @ 650 - 1350nm (3° AOI, p-polarization)	
650 - 1350	<b>Wavelength Range (nm):</b>
λ/10	<b>Irregularity (P-V) @ 632.8nm:</b>
Dielectric	<b>Coating Type:</b>
Complementary Chirped Pair (650-1350nm)	<b>Coating:</b>
5	<b>Angle of Incidence (°):</b>
<a href="#">Fused Silica</a> (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
0.2 J/cm <sup>2</sup> @ 800nm, 50fs	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>

<b>Regulatory Compliance</b>	
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 235:</b>

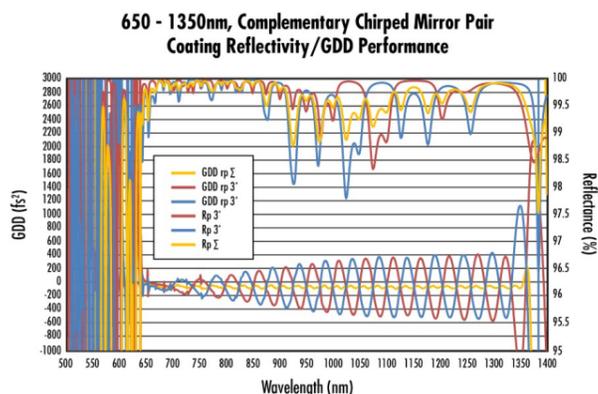
## Product Details

- Ideal for Chirped-Pulse Amplifier Systems and Ultra-Broadband Laser Oscillators
- Ultra-Broadband Design Supports Dispersion Compensation
- Negative GDD as Low as -60fs<sup>2</sup> and High Reflectivity (>99%) at 600 – 950nm or 650 – 1350nm

UltraFast Innovations (UFI) Ultra-Broadband Complementary Chirped Mirror Pairs are designed to provide dispersion compensation for ultrafast pulses. The matched mirrors feature out-of-phase group delay dispersion (GDD) oscillations leading to a near-constant GDD performance with minimal oscillations. The broadband coating design covers the most common ultrafast laser lines, including Ti:sapphire and Yb:doped fiber, providing negative GDDs as low as -60fs<sup>2</sup> and average reflectance of >99% (p-polarization) at 600 – 950nm or 650 – 1350nm. The narrow angles of incidence (AOI) allows many reflections of the ultrafast pulse to effectively compensate for dispersion effects. UFI Ultra-Broadband Complementary Chirped Mirror Pairs are ideal for dispersion compensation in ultrafast laser applications, including chirped-pulse amplifier systems and ultra-broadband laser oscillators. Please contact us for custom mirror pairs with different geometries, bandwidths, or spectral specifications.

**Note:** Complementary Chirped Mirror Pairs are sold in pairs.

## Technical Information



## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries

- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Compatible Mounts

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