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press release

For Immediate Release:  
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## Central Semiconductor's Zero Temperature Coefficient (ZTC) CDCLD Series Current Limiting Diodes



**Hauppauge, NY USA – October 12, 2021 – Central Semiconductor Corp.**, a leading manufacturer of innovative discrete semiconductor solutions, introduces its new line of Zero Temperature Coefficient (ZTC) current limiting diodes (CLDs) packaged in the DPAK case. The new **CDCLD series** of devices is designed to meet designers' requirements to maintain a constant current over a wide voltage range, with the added benefit of extreme stability over a wide temperature range.

According to Joseph Beck, VP of Engineering, "This new technology is a distinct innovation in current limiting device technology. Compared to traditional current regulating devices, the CDCLD series of devices provides designers with a discrete solution for current regulation that is virtually independent of ambient temperature variations when operated within the specified voltage range."

Current limiting specifications for the CDCLD series range from 27.5mA to 575mA. Devices are available now in the DPAK package, with bare die versions coming soon. Applications include high intensity lighting systems, infrastructure lighting systems, LED drivers, light dimming systems, test/measurement equipment, security products and many others. These DPAK devices are available 2,500 on a 13" Reel. Part numbers are listed below.

To see additional application examples and more information, visit [www.centrasemi.com/applications](http://www.centrasemi.com/applications)

### Devices in DPAK package:

- **CDCLD025** – (27.5mA, 1.5V)
- **CDCLD040** – (44mA, 1.5V)
- **CDCLD080** – (88mA, 1.8V)
- **CDCLD100** – (115mA, 2.0V)
- **CDCLD120** – (138mA, 2.0V)
- **CDCLD200** – (230mA, 2.0V)
- **CDCLD400** – (460mA, 2.0V)
- **CDCLD500** – (575mA, 2.0V)

Pricing for 2,500 pieces on 13" tape and reel starts at \$2.75.

Central Semiconductor Corp. manufactures innovative discrete semiconductors to meet design engineers' ever-changing challenges. Complete specifications for the CDCLD series are available on Central's website at:

[https://www.centrasemi.com/featured-products/35?utm\\_source=press-release&utm\\_medium=web&utm\\_campaign=ZTC-CDCLD-Series-Launch](https://www.centrasemi.com/featured-products/35?utm_source=press-release&utm_medium=web&utm_campaign=ZTC-CDCLD-Series-Launch)

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