



+



Vishay Intertechnology, Inc.

Consumer
(Toys)



One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components





Consumer

Toys

Remote Controlled Helicopters / Quadrocopters	2
Outdoor Cameras	3

More information on the Engineer's Toolbox, including product datasheet links, can be found at www.vishay.com/ref/et3.

For inquiries, please contact your local sales representative.

Key components for
TOYS



**Remote
Controlled
Helicopters /
Quadropters**



**Outdoor
Cameras**



THE VISHAY ADVANTAGE

- Wide Working Temperature Range
- Low Weight
- Small Size
- Long Life

Remote Controlled Helicopters / Quadrocopters

INDUCTORS

Low-Profile, High-Current IHLP® Inductors



[IHLP-2525](#)

- Compact power inductor for high-current DC/DC conversion
- High-frequency energy storage up to 5 MHz

OPTOELECTRONICS

High-Speed, High-Power 940 nm Infrared Emitting Diode



[VSLB3948](#)

- Radiant intensity of 65 mW/sr with $I_F = 100 \text{ mA}$
- Angle of half intensity of $\pm 22^\circ$

CERAMIC CAPACITORS

Ultra-Stable Dielectric Formulation, Low Dissipation Factor (DF)



[MLCC High Q Capacitors](#)

- Ultra-stable dielectric formulation, low dissipation factor (DF)
- Robust design build with wet process and noble metal electrodes

OPTOELECTRONICS

IR Receiver Modules for Remote Control Systems



[TSOP75438](#)

- Very low supply current, photo detector and preamplifier in one package
- Supply voltage: 2.5 V to 5.5 V, capable of side or top view

DISPLAYS

High-Quality Displays Offer Excellent Human-to-Machine Interface Solutions



[LCD, Color TFT, OLED](#)

- Standard and custom display / modules for flight control and monitoring
- High brightness options for LCD, OLED, and color TFT

OPTOELECTRONICS

Silicon NPN Phototransistor with High Radiant Sensitivity



[TEFT4300](#)

- Collector light current of 3.2 mA with $E_g = 1 \text{ mW/cm}^2$
- Daylight blocking filter matched with 940 nm emitters

TANTALUM CAPACITORS

vPolyTan™ Polymar Tantalum Capacitors



[T55](#)

- High-capacitance, ultra low-ESR polymer tantalum capacitors
- Small case size, low profile

ENERGY STORAGE CAPACITORS

Hybrid Storage Capacitors



[196 HVC ENYCAP™](#)

- Power back up and battery pulse power support
- Very small size and high energy density

View datasheets for these products
www.vishay.com/ref/et3cn4a

Outdoor Cameras

OPTOELECTRONICS

High-Speed, High-Power 940 nm Infrared Emitting Diode



[VSLB3948](#)

- Radiant intensity of 65 mW/sr with $I_F = 100 \text{ mA}$
- Angle of half intensity of $\pm 22^\circ$

CERAMIC CAPACITORS

Body Sizes: 0402 to 3838, Excellent Power Handling Capabilities



[MLCC RF Capacitors](#)

- Non-magnetic available with copper or epoxy bondable termination
- Lead-bearing termination available for hi-rel applications

DISPLAYS

High-Quality Displays Offer Excellent Human-to-Machine Interface Solutions

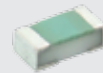


[LCD, Color TFT, OLED](#)

- Standard and custom display / modules for flight control and monitoring
- High brightness options for LCD, OLED, and color TFT

THIN FILM RESISTORS

Professional Thin Film Chip Resistors



[MCS0402](#)

- Excellent stability class 0.5, cost efficient
- CECC approved acc. EN 140401-801, sulfur resistant

NON-LINEAR RESISTORS

SMD Glass Protected NTC Thermistors



[NTCS0402](#)

- Glass protected with soft terminations
- Small size, high accuracy, easy to read out

OPTOELECTRONICS

Silicon NPN Phototransistor with High Radiant Sensitivity



[TEFT4300](#)

- Collector light current of 3.2 mA with $E_g = 1 \text{ mW/cm}^2$
- Daylight blocking filter matched with 940 nm emitters

ENERGY STORAGE CAPACITORS

Hybrid Storage Capacitors



[196 HVC ENYCAP™](#)

- Small size and high energy density for BT and GPS support
- Scalable, flexible voltages, easy to charge

TANTALUM CAPACITORS

Solid Tantalum Chip Capacitors 298D MICROTAN®, 298W Extended Range MICROTAN



[298D](#)

- High capacitance in small case sizes including 0603 and 0402 footprint
- Perfect for space constrained designs

View datasheets for these products
www.vishay.com/ref/et3cn4b



+



ABOUT TTI, INC.

TTI Inc., a subsidiary of Berkshire Hathaway, is a world leading specialist distributor of connectors and passive, electromechanical and discrete components. TTI's philosophy is "Lead by Design", and the company differentiates itself by focusing on people, parts and processes. The company's aim is to become the distributor of choice for customers and suppliers in Europe alike by introducing new product technologies and by stocking broad and deep across its franchise base. TTI employs sophisticated inventory management processes which ensure that the company can react immediately to changes in component demand due to fluctuating markets and supply chains. For further information about TTI, please refer to: www.ttieurope.com.



**A WORLD OF
SOLUTIONS**

TTI, INC.

Ganghoferstr. 34
82216 Maisach-Gernlinden
Germany
Tel.: +49 (0)8142 6680 – 0
Fax: +49 (0)8142 6680 – 490
Email: sales@de.ttiinc.com
www.ttieurope.com