



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



THE VISHAY ADVANTAGE

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

**Remote
Controlled
Helicopters /
Quadropters**



**Outdoor
Cameras**



Remote Controlled Helicopters / Quadcopters

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™ Polymer
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

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

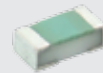


[LCD, Color TFT, OLED](#)

- 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



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A *WORLD OF*
SOLUTIONS