



+



Vishay Intertechnology, Inc.

Transportation

(Toll Systems)



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





Transportation Toll Systems

Toll Systems (Coin, Card, Cash)

2

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 TOLL SYSTEMS



Toll Systems
(Coin, Card, Cash)



THE VISHAY ADVANTAGE

- High Reliability
- Transient Immunity
- Good Performance in Harsh Environments
- Long Life
- and more ...



Toll Systems (Coin, Card, Cash)



CERAMIC CAPACITORS

AC Line Rated Disc Capacitors
Class X1, 760 V_{AC},
Class Y1, 500 V_{AC}



[VY1](#)

- X1 / Y1 safety rating according to IEC 60384-14, 3rd edition
- Highest reliability and lifetime, operating temperature: -40 °C to +125 °C

INDUCTORS

Low-Profile, High-Current IHLP® Inductors



[IHLP-2525CZ-5A](#)

- Compact size and high current, low saturation for noise filtering

RESISTORS

Professional Thin Film MELF Resistors



[MMU 0102](#), [MMA 0204](#), [MMB 0207](#)

- Unrivaled surge-handling capability, ultimate stability over lifetime
- AEC-Q200 qualified, approved acc. EN 140401-803, sulfur resistant, GREEN product

DIODES

Small-Signal Zener Diodes



[MMBZ5235](#)

- AEC-Q101 qualified
- ESD capability according to AEC-Q101

RECTIFIERS

Surface-Mount Glass Passivated Rectifier



[S1J](#)

- Glass passivated diode technology
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

DIODES

Small-Signal Schottky Diodes



[BAS281](#)

- AEC-Q101 qualified
- Integrated protection ring against static

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

OPTOELECTRONICS

High-Power SurfLight™ Emitter with 850 nm Peak Wavelength



[VSMY7850X01](#)

- Wavelength matches CMOS-based camera systems for nighttime and low-visibility illumination
- 170 mW/sr intensity at 1 A forward current, 780 mW/sr at 5 A forward current

View datasheets for these products
www.vishay.com/ref/et3tr5a





+



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