



Vishay Intertechnology, Inc.

Transportation

(Toll Systems)



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





Transportation Toll Systems

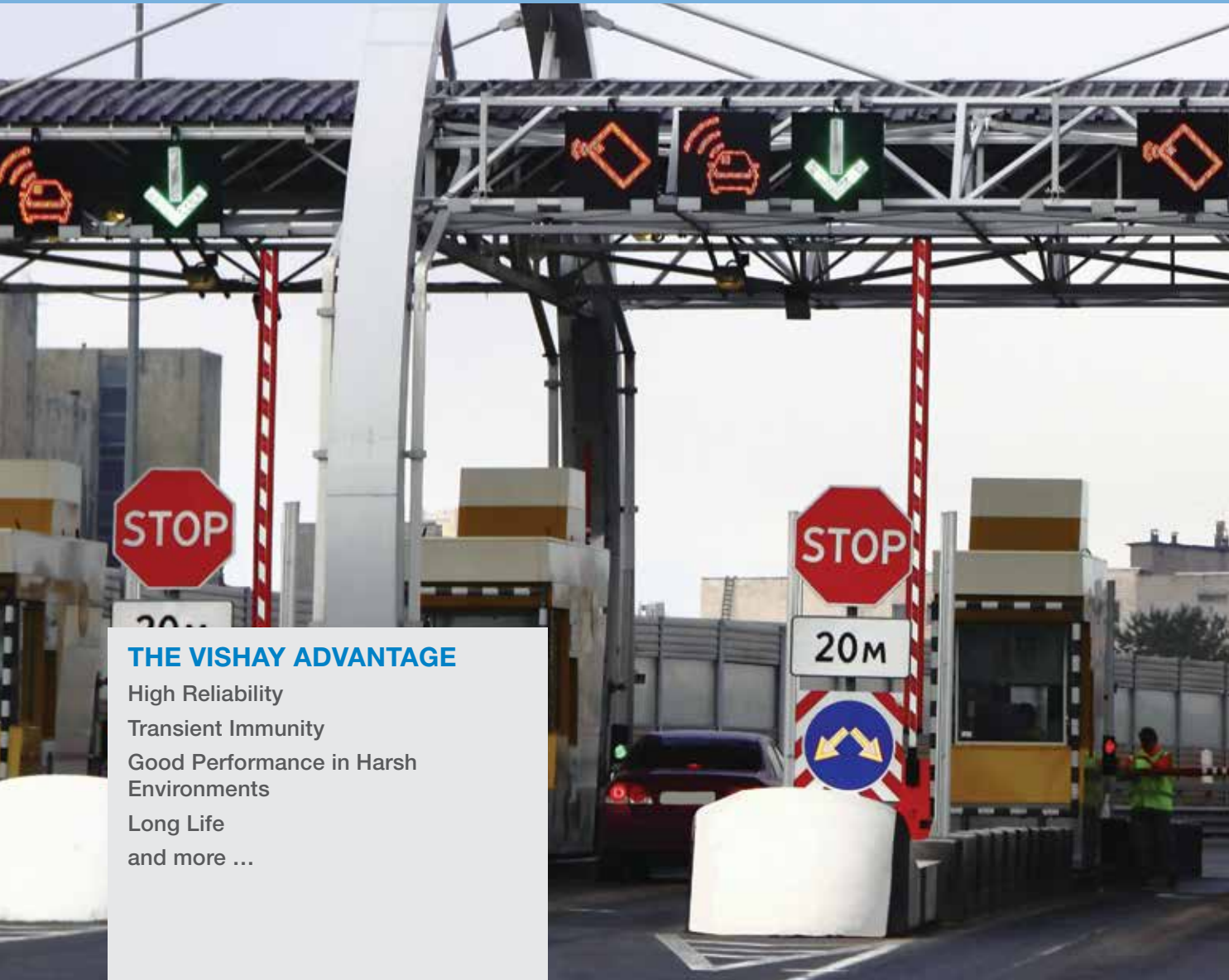
Toll Systems (Coin, Card, Cash)

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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





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A *WORLD OF*
SOLUTIONS