

# MCC's Auto-Grade 150mW Zener Diodes: 2.4V to 47V of Reliable Regulation

## AUTOMOTIVE-GRADE ZENER DIODES



### Features

- AEC-Q101 qualified
- High operating junction temperature of up to 150°C
- Wide selection of voltage options: from 2.4V to 47V
- Compact DFN1006 package
- Low leakage current
- High reliability and durability
- RoHS-compliant (lead-free)



### Benefits

Our Zener diodes are an affordable solution, ensuring stable voltage levels and consistent operation for various electronic components found in auto and industrial systems.

These diodes add an additional level of protection, preventing damage from excessive voltage and improving overall reliability by safeguarding sensitive components from voltage spikes.

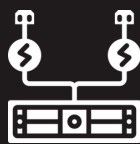
### Applications



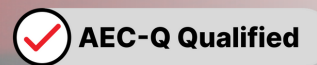
Engine Control Units



Industrial Control Systems

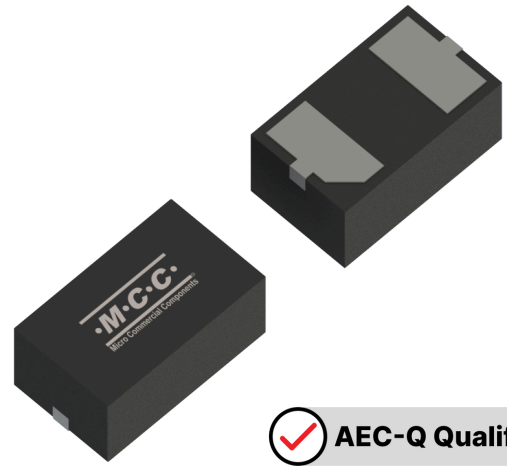


Solar Power Systems



## Protect Auto & Industrial Applications with Versatile, Cost-Effective Solutions

# MCC's Auto-Grade 150mW Zener Diodes: 2.4V to 47V of Reliable Regulation



## Product Attributes, Parametrics & Datasheets

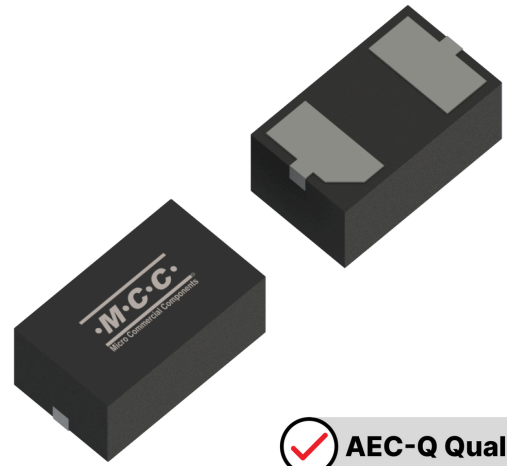
Product	TYPE	Package	Power Dissipation (PD)	Nominal Voltage	Test Current (IZTC)	Mounting Type	Datasheet
<a href="#"><b><u>BZT52C2V4L3PHE3-TP</u></b></a>	Zener Diodes	DFN1006-2L	150mW	2.4V	5mA	Surface Mount	<a href="#"><b><u>Info</u></b></a>
<a href="#"><b><u>BZT52C2V7L3PHE3-TP</u></b></a>	Zener Diodes	DFN1006-2L	150mW	2.7V	5mA	Surface Mount	<a href="#"><b><u>Info</u></b></a>
<a href="#"><b><u>BZT52C36L3PHE3-TP</u></b></a>	Zener Diodes	DFN1006-2L	150mW	36V	2mA	Surface Mount	<a href="#"><b><u>Info</u></b></a>
<a href="#"><b><u>BZT52C39L3PHE3-TP</u></b></a>	Zener Diodes	DFN1006-2L	150mW	39V	2mA	Surface Mount	<a href="#"><b><u>Info</u></b></a>
<a href="#"><b><u>BZT52C7V5L3PHE3-TP</u></b></a>	Zener Diodes	DFN1006-2L	150mW	7.5V	5mA	Surface Mount	<a href="#"><b><u>Info</u></b></a>
<a href="#"><b><u>BZT52C8V2L3PHE3-TP</u></b></a>	Zener Diodes	DFN1006-2L	150mW	8.2V	5mA	Surface Mount	<a href="#"><b><u>Info</u></b></a>

**CONTACT MCC TO REQUEST A SAMPLE**

mccsemi.com | +818.701.4933



# MCC's Auto-Grade 150mW Zener Diodes: 2.4V to 47V of Reliable Regulation

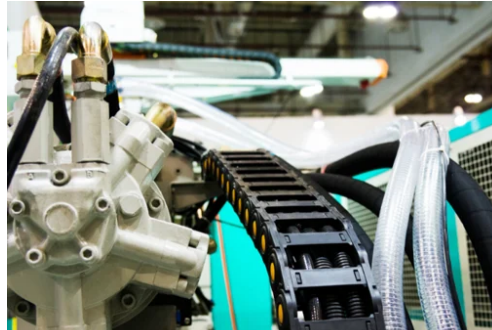


## Applications:



**Automotive**

- Engine control units (ECUs)
- Power management systems
- Battery charging circuits
- Lighting systems
- Audio systems
- Instrument clusters



**Industrial**

- Power supplies and converters
- Industrial control systems
- Programmable logic controllers (PLCs)
- Motor control circuits
- Robotics and automation systems
- HVAC controls



**Renewable Energy**

- Solar power systems
- Wind power systems
- Energy storage systems (ESS)
- Inverters

**CONTACT MCC TO REQUEST A SAMPLE**

mccsemi.com | +818.701.4933

