

MCC's Auto-Grade Zener Diodes: Diverse Applications, Superior Performance

6.2V - 220V Auto-Grade Zener Diodes



Features

- AEC-Q101 qualified
- Available in 1W and 2W power ratings
- SMA package for easy installation and automated manufacturing
- Wide selection of voltages ranging from 6.2V to 220V
- Cost-effective solution for voltage regulation and overvoltage protection
- High operating junction temperature of up to 175°C
- Low-profile package design



Benefits

Our AEC-Q101 qualified Zener diodes ensure reliable performance in automotive applications through stable voltage regulation and overvoltage protection.

Voltage options ranging from 6.2V to 220V provide engineers with flexibility and efficiency for various application requirements and specifications.

Applications



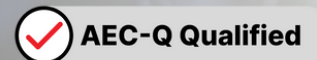
Motors Drivers



Solar Inverters

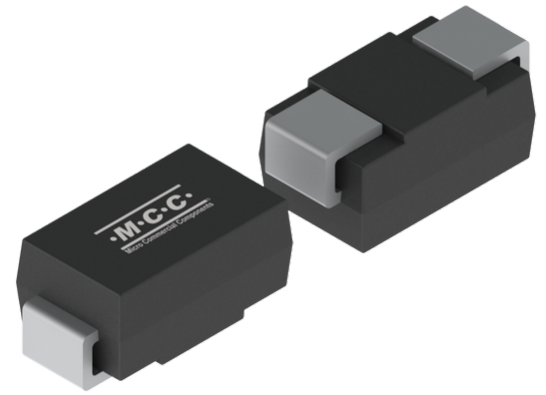


Instrument Clusters



Crush Your Design Goals with Voltages from 6.2V to 220V in SMA Package

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Parametrics & Datasheets:

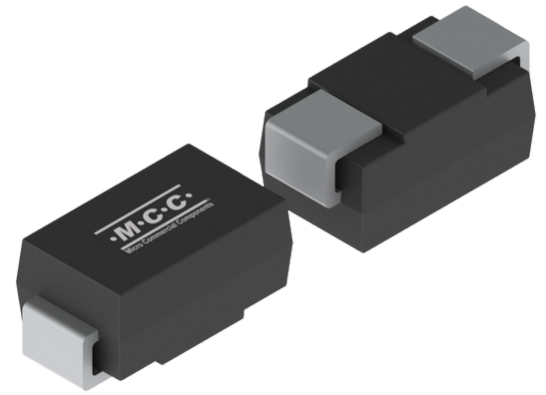
Product	TYPE	Package	Nominal Zener Voltage	DC Power Dissipation at TL = 75 °C	Mounting Type	Datasheet
<u>SMA2Z15AQ-TP</u>	Zener Diodes	SMA	15V	2W	Surface-Mount (SMD)	<u>Info</u>
<u>SMA2Z16AQ-TP</u>	Zener Diodes	SMA	16V	2W	Surface-Mount (SMD)	<u>Info</u>
<u>SMA2Z20AQ-TP</u>	Zener Diodes	SMA	20V	2W	Surface-Mount (SMD)	<u>Info</u>
<u>SMA2Z30AQ-TP</u>	Zener Diodes	SMA	30V	2W	Surface-Mount (SMD)	<u>Info</u>
<u>SMA2Z36AQ-TP</u>	Zener Diodes	SMA	36V	2W	Surface-Mount (SMD)	<u>Info</u>
<u>SMAJ4745AQ-TP</u>	Zener Diodes	SMA	16V	1W	Surface-Mount (SMD)	<u>Info</u>
<u>SMAJ4747AQ-TP</u>	Zener Diodes	SMA	20V	1W	Surface-Mount (SMD)	<u>Info</u>
<u>SMAJ4751AQ-TP</u>	Zener Diodes	SMA	30V	1W	Surface-Mount (SMD)	<u>Info</u>
<u>SMAJ4753AQ-TP</u>	Zener Diodes	SMA	36V	1W	Surface-Mount (SMD)	<u>Info</u>

CONTACT MCC TO REQUEST A SAMPLE

mccsemi.com | +818.701.4933



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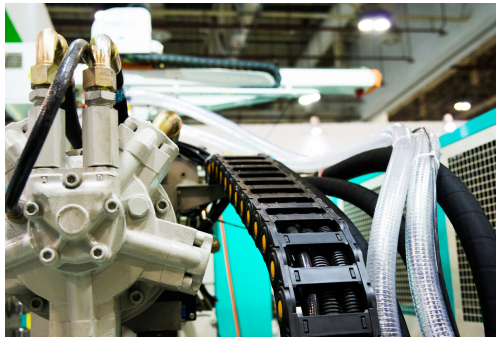


Applications:



Automotive

- Basic voltage regulation
- Overvoltage protection
- Power management
- Infotainment systems
- Instrument clusters



Industrial

- Basic voltage regulation
- Overvoltage protection
- Industrial control systems
- Motor drivers
- Instrumentation & equipment



Renewable Energy

- Solar inverters
- Wind power converters

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