

## 40V TO 200V SCHOTTKY BARRIER RECTIFIERS



### Features

- High surge capability for increased protection and durability
- AEC-Q101 qualification ensures reliability in demanding auto applications
- Footprint compatibility with SMA for easy integration
- Compact SMA-FL (DO-221AC) package with standing height of 1.25mm



### Benefits

The low-profile package is nearly 50% shorter than traditional SMA packages, enabling smaller designs.

Wide range of working voltages of 40V to 200V and robust design ideal for diverse industries and applications.

### Applications



Energy Management



Lighting and Power Control



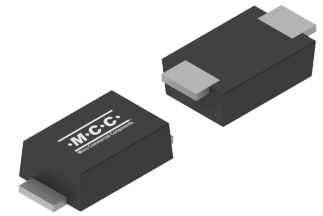
Industrial Automation

## Enhanced Auto-Grade Power: MCC's 40V to 200V SBDs



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# Versatile Options for Robust Performance



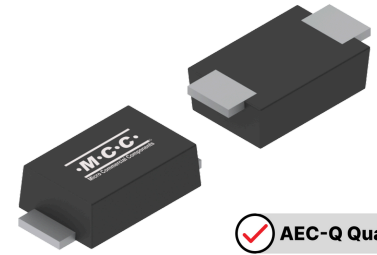
## Product Attributes, Parametrics & Datasheets

| Product                          | Type                       | Package  | Working Peak Reverse Voltage VRWM | Average Rectified Forward Current IF(AV) | Mounting Type       | Datasheet                   |
|----------------------------------|----------------------------|----------|-----------------------------------|--|---------------------|-----------------------------|
| <a href="#"><u>SK34AFLQ</u></a>  | Schottky Barrier Rectifier | DO-221AC | 40V                               | 3A                                       | Surface-Mount (SMD) | <a href="#"><u>Info</u></a> |
| <a href="#"><u>SK36AFLQ</u></a>  | Schottky Barrier Rectifier | DO-221AC | 60V                               | 3A                                       | Surface-Mount (SMD) | <a href="#"><u>Info</u></a> |
| <a href="#"><u>SK510AFLQ</u></a> | Schottky Barrier Rectifier | DO-221AC | 100V                              | 5A                                       | Surface-Mount (SMD) | <a href="#"><u>Info</u></a> |
| <a href="#"><u>SK520AFLQ</u></a> | Schottky Barrier Rectifier | DO-221AC | 200V                              | 5A                                       | Surface-Mount (SMD) | <a href="#"><u>Info</u></a> |
| <a href="#"><u>SK54AFLQ</u></a>  | Schottky Barrier Rectifier | DO-221AC | 40V                               | 5A                                       | Surface-Mount (SMD) | <a href="#"><u>Info</u></a> |
| <a href="#"><u>SK56AFLQ</u></a>  | Schottky Barrier Rectifier | DO-221AC | 60V                               | 5A                                       | Surface-Mount (SMD) | <a href="#"><u>Info</u></a> |

**CONTACT MCC TO REQUEST A SAMPLE**

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# High surge capability & AEC-Q101 Qualified



## Applications:



### Energy Management

- Battery management systems (BMS)
- Freewheeling diode circuits
- Rectification



### Lighting and Power Control

- Rectification
- Switched-mode power supplies (SMPS)



### Industrial Automation

- Switched-mode power supplies (SMPS)
- Freewheeling diode circuits



### Communications Systems

- Radio frequency (RF) systems

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