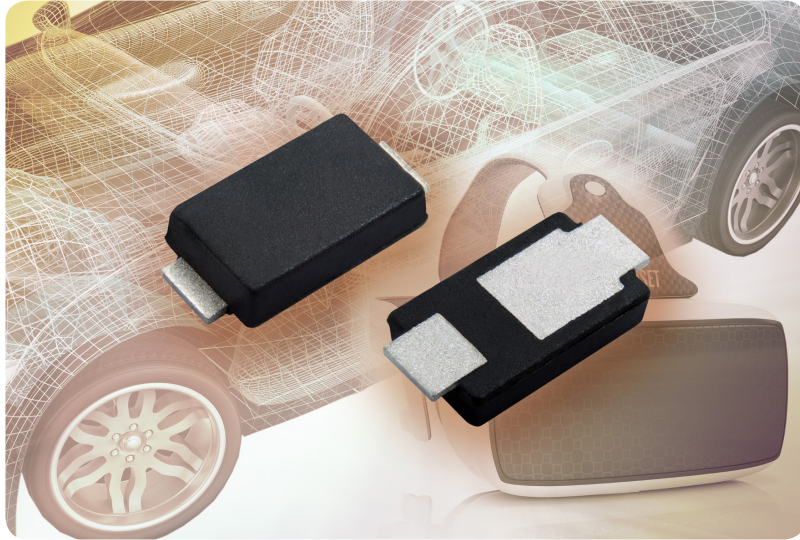




## DIODES

### Standard Rectifiers With ESD Capability

#### Standard Rectifiers With ESD Capability in Very Low Profile SMPA Package for Consumer and Automotive Applications



#### KEY BENEFITS

- Reverse voltage from 100 V to 600 V
- Oxide planar chip technology
- Very low profile SMPA (DO-221BC) package; 0.95 mm typical height
- ESD capability
- Low forward drop, low leakage current
- AEC-Q101 qualified
- $T_j$  max. temperature 175 °C

#### APPLICATIONS

- General purpose and power line polarity protection in consumer and automotive applications

#### RESOURCES

- Datasheets: please see table on next page for the list of products
- For technical questions, contact [DiodesAmericas@vishay.com](mailto:DiodesAmericas@vishay.com), [DiodesEurope@vishay.com](mailto:DiodesEurope@vishay.com), [DiodesAsia@vishay.com](mailto:DiodesAsia@vishay.com)
- Material categorization: for definitions of compliance, please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)





# DIODES

## Standard Rectifiers With ESD Capability

Vishay offers 2.0 A, 3.0 A, and 5.0 A standard recovery rectifiers with ESD capability for use in consumer and automotive applications.

- Reverse voltages from 100 V to 600 V
- AEC-Q101 qualified
- Ideal for automated placement

| KEY SPECIFICATIONS      |                    |                             |                  |  |              |                            |                                    |                       |
|-------------------------|--------------------|-----------------------------|------------------|--|--------------|----------------------------|------------------------------------|-----------------------|
| PART NUMBER             | $I_{F(AV)}$<br>(A) | $V_{RRM}$<br>(V)            | $I_{FSM}$<br>(A) | $V_F$ at $I_F$ ( $T_A = 125\text{ }^\circ\text{C}$ ) |              | $I_R$<br>( $\mu\text{A}$ ) | $T_J$ max.<br>( $^\circ\text{C}$ ) | AEC-Q101<br>qualified |
|                         |                    |                             |                  | $V_F$<br>(V)   | $I_F$<br>(A) |                            |                                    |                       |
| <a href="#">SE20PAG</a> | 2.0                | 100,<br>200,<br>400,<br>600 | 32               | 0.92   | 2.0          | 5                          | 175                                | Yes                   |
| <a href="#">SE20PAJ</a> | 2.0                |                             | 32               | 0.92   | 2.0          | 5                          | 175                                | Yes                   |
| <a href="#">SE30PAG</a> | 3.0                |                             | 32               | 1.00   | 3.0          | 5                          | 175                                | Yes                   |
| <a href="#">SE30PAJ</a> | 3.0                |                             | 32               | 1.00   | 3.0          | 5                          | 175                                | Yes                   |
| <a href="#">SE50PAG</a> | 5.0                |                             | 42               | 0.95   | 5.0          | 10                         | 175                                | Yes                   |
| <a href="#">SE50PAJ</a> | 5.0                |                             | 42               | 0.95   | 5.0          | 10                         | 175                                | Yes                   |