

### Other available products from SMC:

#### Fast Recovery Rectifier

0.2A – 16A, 50V – 2000V  
DO-41, DO-15, DO-27, R-6, SMA, SMB, SMC,  
DO-201AD and more

#### Zener

56mW – 1000mW, 5V – 400V  
DO-41, DO-15A-405, SMA, SMB, SMC, DO-27,  
P-600, R-6, SPD and more...

#### Switching

150mA – 250mA, 35V – 250V  
DL-35, DO-35, SOD-123, SOD-323, SOT-23,  
SOT-323

#### Regular Rectifier and Power Modules

For more Information or Datasheets, please  
contact:

### Protec GmbH

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eMail: sales@protec-semi.de  
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## While major diode manufacturers face allocation, SMC still has acceptable delivery times...

### TVS Diodes for up to 30kW

Power Rating from 0.2W - 30KW, SPD-4, SMC, SMB, SMA  
package

Reliability and FIT data are available, Traceability per MIL  
standard, Screening & Reliability testing available upon request,  
RoHS & REACH certificates, can be offered according to MIL  
requirements, state of the art and latest package designs  
available



### EOS Protection Devices & TVS Arrays

SO-8, SOD-323, SO-16, DFNWB 2.5x1-10L, SOT-23 package

Multiple TVS diodes on one chip

1 to 8-line protectors

Ultra-low capacitance - eGuard - series with CMAX ≤ 0,35pF

More eGuard devices coming soon



### Traditional Schottky Rectifier

Current Rating from 10mA - 120A, Voltage Rating from 10V – 200V

DO-15, DO-201AD, DO-41, DPAK, D2PAK, ITO-220AB, ITO220AC, R-6,  
SMA, SMB, SMC, SOD-123, SOD-323, SOD-523, SOT-23, SOT-223, SOT-  
323, TO-220AB, TO-220AC, TO-247AD, TO-262 and TO-227B packages



### Ultra-low Vf Schottky Rectifier

Vf 15% - 20% lower than traditional Schottky rectifiers, superior Efficiency and Thermal  
Performance, Current Rating from 1A – 60A, Voltage Rating from 40V – 300V

Trench Technology, Current Rating from 1A - 60A, Voltage Rating from 40V - 300V  
DPAK- D<sup>2</sup>PAK, TO-220AB/C, ITO-229AB/C, TO-277A, R-6 packages and more

### Ultrafast Recovery Rectifier

Ultra-fast switching, High Current capability,  
low Reverse Leakage Current, high Sure Current capability

Current Rating from 1A - 60A / Voltage Rating from 200V - 1200V

Various packages: R-1, DO-41, SMA, SMB, SMC, DPAK,

TO-220AB/C, DO- 201AD, D2PAK, TO-247AD packages and more



### Chips are available from all our products

Technical details are defined in the specification, customized metallization is possible,  
delivery as wafer (if required on foil) / in waffle pack / bottle

Single wafer lot traceability in conformance with MIL-PRF-19500

If not customized, the dice will conform to the MIL-PRF-19500 detail specification

SMC does provide a detail specification which defines:

Electrical characteristics, Physical dimensions with metallization composition and thickness,  
Screening flow, Qualification flow (element evaluation) per MIL-PRF-19500