



# 60 V Trench MOS Barrier Schottky Rectifiers

in SlimDPAK (TO-252AE), SMPD (TO-263AC), and SMP (DO-220AA) Packages

## FEATURES

Low forward voltage drop

Low power losses

High efficiency operation

Ideal for automated placement

Low profile package



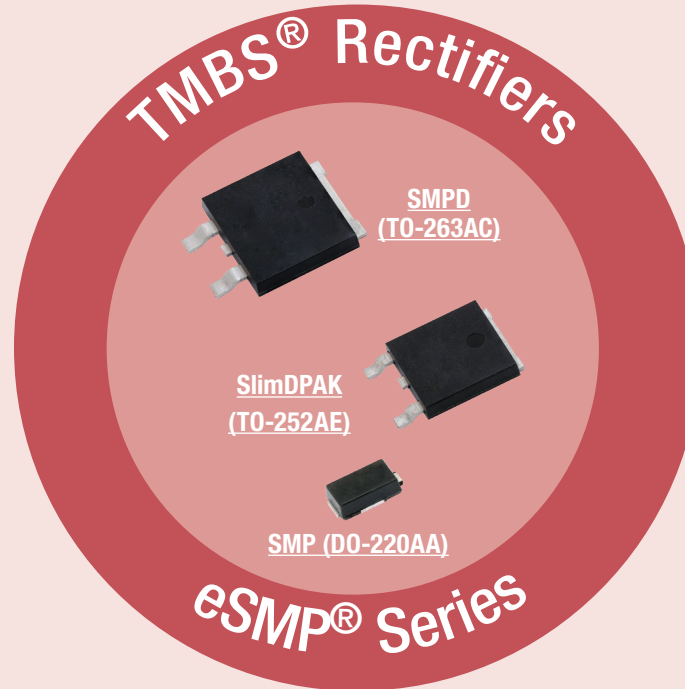
**AEC-Q101 qualified**



**Forward current:  
3 A to 2 x 30 A**



**Operating junction  
temperature up to 175 °C**



## APPLICATIONS

For use in high frequency inverters, freewheeling, DC/DC converters, and polarity protection in commercial, industrial, and automotive applications



**AUTOMOTIVE**



**INDUSTRIAL**



**DC/DC CONVERTERS  
FREEWHEELING**

## AUTOMOTIVE PORTFOLIO

Part Number	Rev. Voltage (V)	I <sub>F(AV)</sub> (A)	V <sub>F</sub> at I <sub>F</sub> (V at A)	I <sub>FSM</sub> (A)	T <sub>J</sub> Max. (°C)	Package (JEDEC®) Code	Circuit Configuration
<a href="#">V10PWL63C</a>	60	2 x 5	0.48	80	150	SlimDPAK (TO-252AE)	Common cathode
<a href="#">V10PWL63</a>	60	10	0.45	180	150	SlimDPAK (TO-252AE)	Single
<a href="#">V10PWM63C</a>	60	2 x 5	0.54	80	175	SlimDPAK (TO-252AE)	Common cathode
<a href="#">V10PWM63</a>	60	10	0.52	180	175	SlimDPAK (TO-252AE)	Single
<a href="#">V20PWL63C</a>	60	2 x 10	0.49	150	150	SlimDPAK (TO-252AE)	Common cathode
<a href="#">V20PWL63</a>	60	20	0.51	200	150	SlimDPAK (TO-252AE)	Single
<a href="#">V20PWM63C</a>	60	2 x 10	0.54	150	175	SlimDPAK (TO-252AE)	Common cathode
<a href="#">V20PWM63</a>	60	20	0.55	200	175	SlimDPAK (TO-252AE)	Single
<a href="#">V35PWL63</a>	60	35	0.56	260	150	SlimDPAK (TO-252AE)	Single
<a href="#">V35PWL63</a>	60	35	0.6	260	175	SlimDPAK (TO-252AE)	Single
<a href="#">V40PWL63C</a>	60	2 x 20	0.56	240	150	SlimDPAK (TO-252AE)	Common cathode
<a href="#">V40PWL63C</a>	60	2 x 20	0.59	240	175	SlimDPAK (TO-252AE)	Common cathode

Part Number	Rev. Voltage (V)	I <sub>F(AV)</sub> (A)	V <sub>F</sub> at I <sub>F</sub> (V at A)	I <sub>FSM</sub> (A)	T <sub>J</sub> Max. (°C)	Package (JEDEC®) Code	Circuit Configuration
<a href="#">V10DL63C</a>	60	2 x 5	0.48	100	150	SMPD (TO-263AC)	Common cathode
<a href="#">V10DM63C</a>	60	2 x 5	0.54	100	175	SMPD (TO-263AC)	Common cathode
<a href="#">V20DL63C</a>	60	2 x 10	0.49	120	150	SMPD (TO-263AC)	Common cathode
<a href="#">V20DM63C</a>	60	2 x 10	0.54	120	175	SMPD (TO-263AC)	Common cathode
<a href="#">V30DL63CL</a>	60	2 x 15	0.47	200	150	SMPD (TO-263AC)	Common cathode
<a href="#">V30DL63C</a>	60	2 x 15	0.54	170	150	SMPD (TO-263AC)	Common cathode
<a href="#">V30DM63CL</a>	60	2 x 15	0.55	200	175	SMPD (TO-263AC)	Common cathode
<a href="#">V40DL63C</a>	60	2 x 20	0.47	250	150	SMPD (TO-263AC)	Common cathode
<a href="#">V40DM63C</a>	60	2 x 20	0.57	250	175	SMPD (TO-263AC)	Common cathode
<a href="#">V60DL63C</a>	60	2 x 30	0.52	320	150	SMPD (TO-263AC)	Common cathode
<a href="#">V60DM63C</a>	60	2 x 30	0.57	320	175	SMPD (TO-263AC)	Common cathode
<a href="#">V3PM63</a>	60	3	0.53	60	175	SMP (DO-220AA)	Single

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