



# Surface-Mount Trench MOS Barrier Schottky Rectifiers

## in Space-Saving DFN3820A Package With Wettable Flanks



### FEATURES

Low profile - typical height of 0.88 mm

High current density and high efficiency capability

Extremely low forward voltage

Compatible with SMP (DO-220AA) package case outline



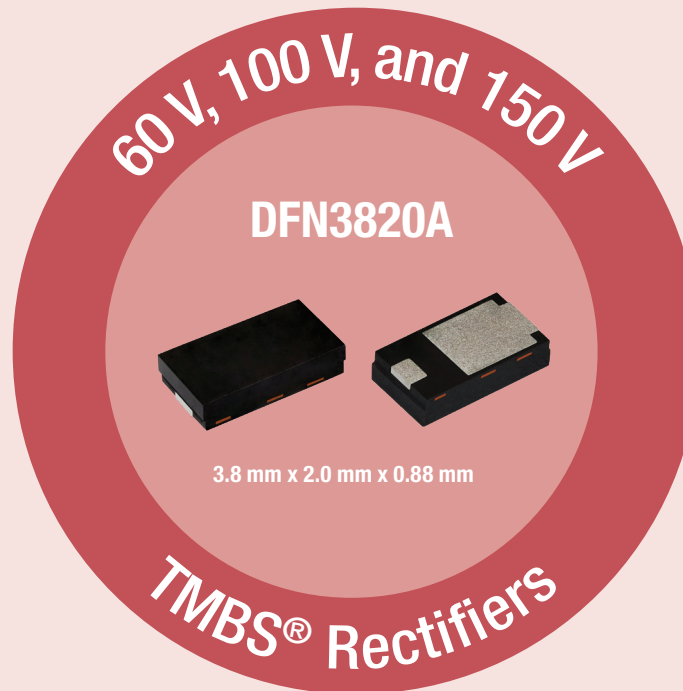
**AEC-Q101 qualified available**



**Forward current: 2 A, 3 A, 5 A, and 7 A**



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



### PRODUCT PORTFOLIO

Part Number	$I_{F(AV)}$ (A)	$I_{FSM}$ (A)	Rev. Voltage (V)	$V_F$ at $I_F$ (V)	$T_J$ Max. (°C)
<a href="#">V2NM153</a>	2	50	150	0.56	175
<a href="#">V2NL63</a>	2	50	60	0.36	150
<a href="#">V2NM63</a>	2	50	60	0.42	175
<a href="#">V2N103</a>	2	50	100	0.45	150
<a href="#">V2NM103</a>	2	50	100	0.48	175
<a href="#">V3NM153</a>	3	80	150	0.55	175
<a href="#">V3NL63</a>	3	80	60	0.35	150
<a href="#">V3NM63</a>	3	80	60	0.42	175
<a href="#">V3N103</a>	3	80	100	0.43	150
<a href="#">V3NM103</a>	3	80	100	0.46	175
<a href="#">V5NM153</a>	5	100	150	0.56	175
<a href="#">V5NL63</a>	5	100	60	0.35	150
<a href="#">V5NM63</a>	5	100	60	0.43	175
<a href="#">V5N103</a>	5	100	100	0.46	150
<a href="#">V5NM103</a>	5	100	100	0.49	175
<a href="#">V7NM153</a>	7	120	150	0.56	175
<a href="#">V7NL63</a>	7	120	60	0.37	150
<a href="#">V7NM63</a>	7	120	60	0.43	175
<a href="#">V7N103</a>	7	120	100	0.45	150
<a href="#">V7NM103</a>	7	120	100	0.49	175

### APPLICATIONS

For use in low voltage, high frequency inverters, freewheeling, DC/DC converters, and polarity protection applications



**AUTOMOTIVE**



**INDUSTRIAL**



**DC/DC CONVERTERS  
FREEWHEELING**



**COMPUTER**



**ENERGY SECTOR**



**CONSUMER**



**CONNECTIVITY**

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