



# Surface-Mount FRED Pt<sup>®</sup> Ultrafast Rectifiers in DFN3820A Package With Wettable Flanks



## FEATURES

Extremely low profile and small dimensions: compact 3.8 mm by 2.0 mm footprint and height of 0.88 mm

High current density and high efficiency capability

Improved thermal resistance

Extreme low forward voltage

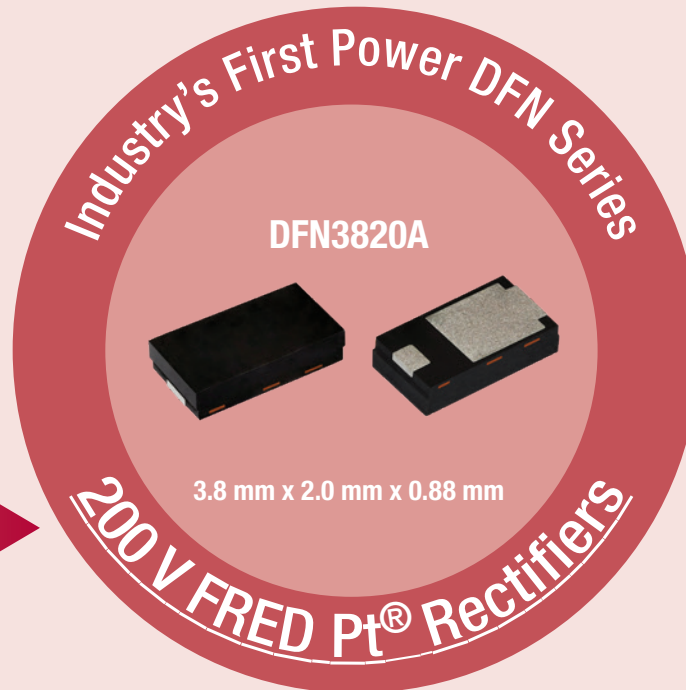
Wettable flanks allow automatic optical inspection (AOI)



Wide temperature range: -55 °C to +175 °C



High current ratings from 1 A to 5 A



AEC-Q101  
Qualified Available

## APPLICATIONS

For use in high frequency inverters, DC/DC converters, freewheeling diodes, clamping and snubbers, polarity protection, dual-voltage injector drivers, piezo drivers, ECUs, antilock braking systems (ABS), and HID and LED lighting



AUTOMOTIVE



INDUSTRIAL



DC/DC CONVERTERS  
FREEWHEELING



CONSUMER



COMPUTER



CONNECTIVITY

## PRODUCT PORTFOLIO

Part Number		I <sub>F(AV)</sub> (A)	Rev. Voltage (V)	V <sub>F</sub> at I <sub>F</sub> (V)	T <sub>J</sub> Max. (°C)
Automotive	Non-Automotive				
<a href="#">VS-1EAH02HM3</a>	<a href="#">VS-1EAH02-M3</a>	1	200	0.72	175
<a href="#">VS-2EAH02HM3</a>	<a href="#">VS-2EAH02-M3</a>	2	200	0.71	175
<a href="#">VS-3EAH02HM3</a>	<a href="#">VS-3EAH02-M3</a>	3	200	0.73	175
<a href="#">VS-5EAH02HM3</a>	<a href="#">VS-5EAH02-M3</a>	5	200	0.72	175

For technical questions: [DiodesAmericas@vishay.com](mailto:DiodesAmericas@vishay.com), [DiodesEurope@vishay.com](mailto:DiodesEurope@vishay.com), or [DiodesAsia@vishay.com](mailto:DiodesAsia@vishay.com)