



Surface-Mount FRED Pt[®] 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

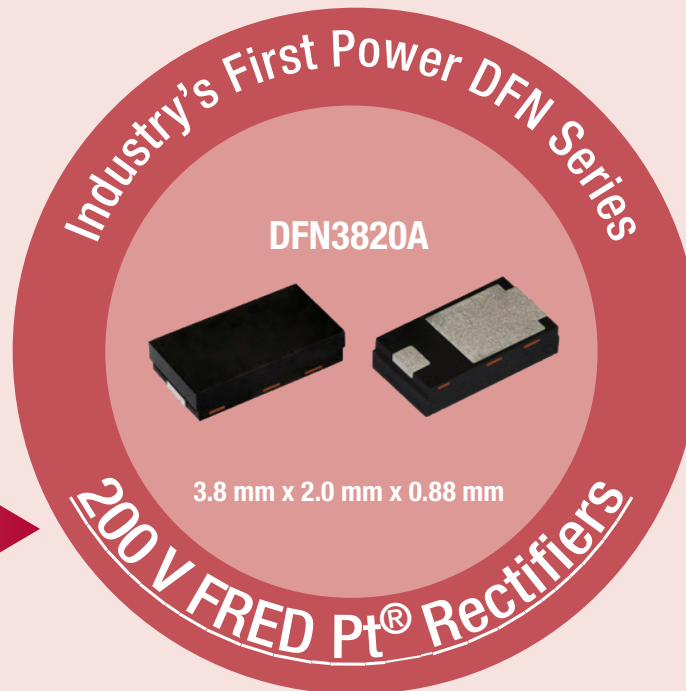
Wettable flanks allow automatic optical inspection (AOI)



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 _{F(AV)} (A)	Rev. Voltage (V)	V _F at I _F (V)	T _J Max. (°C)
Automotive	Non-Automotive				
VS-1EAH02HM3	VS-1EAH02-M3	1	200	0.72	175
VS-2EAH02HM3	VS-2EAH02-M3	2	200	0.71	175
VS-3EAH02HM3	VS-3EAH02-M3	3	200	0.73	175
VS-5EAH02HM3	VS-5EAH02-M3	5	200	0.72	175

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