



FRED Pt[®] RECTIFIERS IN eSMP[®] SERIES PACKAGES

Space-Saving Footprints and Low Profile Package Solutions for All Major Applications

FRED Pt[®] (Fast Recovery Epitaxial Diodes) products are based on a Pt doping technology that allows **maximum operating junction temperature**

Up to 175 °C



Current range from 1 A to 30 A

Reverse voltage: 100 V, 200 V, and 600 V



Fast and soft recovery characteristics

Low leakage currents

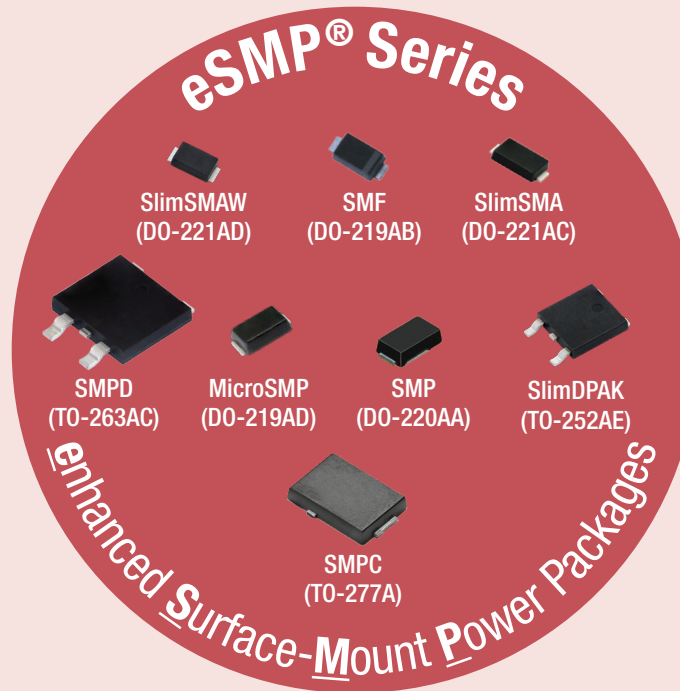


Low forward voltage drop

Reduce switching losses



[eSMP[®] Series Packages Overview](#)



FRED Pt[®] rectifiers are available in the following packages:

Standard Products

AEC-Q101 Qualified Products

MicroSMP (DO-219AD)	MicroSMP (DO-219AD)
SMF (DO-219AB)	SMP (DO-220AA)
SMP (DO-220AA)	SMF (DO-219AB)
SlimSMAW (DO-221AD)	SlimSMAW (DO-221AD)
SlimSMA (DO-221AC)	SlimSMA (DO-221AC)
SMPC (TO-277A)	SMPC (TO-277A)
SlimDPAK (TO-252AE)	SlimDPAK (TO-252AE)
SMPD (TO-263AC)	SMPD (TO-213AC)

APPLICATIONS



DC/DC CONVERTERS



POWER FACTOR CORRECTION



AUTOMOTIVE



TELECOM

FRED Pt[®] **AEC-Q101 qualified** products have undergone **part average testing (PAT)** and **statistical yield limit (SYL)** analysis to ensure their electrical parameters meet the **highest quality** level for **automotive** applications



AEC-Q101 Qualified

For Technical Questions: DiodesAmericas@vishay.com, DiodesEurope@vishay.com, or DiodesAsia@vishay.com