



DIODES

200 V and 600 V FRED Pt[®] Rectifiers

200 V and 600 V FRED Pt[®] Hyperfast and Ultrafast Rectifiers in Compact TO-252AA (DPAK) Power Plastic SMD Package



KEY BENEFITS

- Compact TO-252AA (DPAK) power plastic SMD package
- Forward currents from 4 A to 15 A
 - 200 V devices offer 4 A, 8 A, and 10 A forward currents
 - 600 V devices offer 5 A, 6 A, 8 A, 12 A, and 15 A forward currents
 - » 12 A and 15 A rectifiers offer industry's highest forward currents in TO-252AA package
- Max operating junction temperature of + 175 °C for a more robust and cost-effective design
- Extremely low leakage current

APPLICATIONS

- 4 A to 6 A devices are optimized for use as snubber devices in lighting applications (ballast or HID)
- 8 A to 15 A devices are suitable for PFC boost and output diodes in telecom and desktop power supplies

RESOURCES

- Datasheets: See next page for list of products featured in this product sheet
- For technical questions contact DiodesAmericas@vishay.com, DiodesEurope@vishay.com, or DiodesAsia@vishay.com
- Material categorization: For definitions of compliance please see <http://www.vishay.com/doc?99912>





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KEY SPECIFICATIONS							
DEVICE	I _{F(AV)} (A)	V _{RRM} (V)	Max V _F AT I _F		Typ t _{rr} AT 25 °C (ns)	Typ Q _{rr} AT 25 °C (nC)	SETUP (I _F , di _F / dt, V _R)
			(V)	(A)			
VS-4EWH02FNx-M3⁽¹⁾	4	200	0.95	4	20	20	4 A, 200 A/μs, 160 V
VS-5EWL06FNx-M3⁽¹⁾	5	600	1.20	5	145	931	5 A, 200 A/μs, 390 V
VS-5EWH06FNx-M3⁽¹⁾	5	600	1.85	5	25	51	5 A, 200 A/μs, 390 V
VS-5EWX06FNx-M3⁽¹⁾	5	600	2.90	5	18	26	5 A, 200 A/μs, 390 V
VS-6EWL06FNx-M3⁽¹⁾	6	600	1.25	6	154	1055	6 A, 200 A/μs, 390 V
VS-6EWH06FNx-M3⁽¹⁾	6	600	2.10	6	27	57	6 A, 200 A/μs, 390 V
VS-6EWX06FNx-M3⁽¹⁾	6	600	3.10	6	19	28	6 A, 200 A/μs, 390 V
VS-8EWL06FNx-M3⁽¹⁾	8	600	1.05	8	170	1300	8 A, 200 A/μs, 390 V
VS-8EWH06FNx-M3⁽¹⁾	8	600	2.40	8	25	39	8 A, 200 A/μs, 390 V
VS-8EWX06FNx-M3⁽¹⁾	8	600	3.00	8	17	22	8 A, 200 A/μs, 390 V
VS-8CWH02FNx-M3⁽¹⁾	8	200	0.95	4	20	20	4 A, 200 A/μs, 160 V
VS-8EWH02FNx-M3⁽¹⁾	8	200	0.97	8	24	27	8 A, 200 A/μs, 160 V
VS-10CWH02FN-M3⁽¹⁾	10	200	0.98	5	21	20	5 A, 200 A/μs, 160 V
VS-12EWH06FNx-M3⁽¹⁾	12	600	2.50	12	26	48	12 A, 200 A/μs, 390 V
VS-15AWL06FNx-M3⁽¹⁾	15	600	1.05	15	220	2600	15 A, 200 A/μs, 390 V
VS-15EWL06FNx-M3⁽¹⁾	15	600	1.05	15	220	2600	15 A, 200 A/μs, 390 V
VS-15EWH06FNx-M3⁽¹⁾	15	600	2.10	15	36	90	15 A, 200 A/μs, 390 V
VS-15EWX06FNx-M3⁽¹⁾	15	600	3.20	15	22	37	15 A, 200 A/μs, 390 V

(1) x designates tube or tape and reel version for DPAK products: none = tube; TR = tape and reel; TRL = tape and reel left oriented; TRR = tape and reel right oriented