

Extra Fast Recovery Diodes

These products are designed to offer the lowest practical values of reverse recovery current whilst offering wide safe operating area and high di/dt capability required by modern switching components.

Capsule Types

Part No.	V _{RRM} V	I _{FAV} T _K = 55°C A	I _{FSM} A	I ² t 10 ms ½ sine V _R - ≤ 60% V _{RRM} A ² s	Typ. Reverse Recovery					V _{T0} V	r _T mΩ	T _{JM} °C	R _{thJK} d.c. 180° sine K/W	Fig. No.
					I _m A	t _{rr} μs	Q _{rr} μC	@ I _{FM} A	@ -di _F /dt A/μs					
F0240YC250	2500	240	3100	48.1 x 10 ³	40	2.00	100	550	40	2.271	2.853	150	0.1000	W2
F0240YC300	3000	240	3100	48.1 x 10 ³	40	2.00	100	550	40	2.271	2.853	150	0.1000	W2
F0240YH250	2500	240	3100	48.1 x 10 ³	40	2.00	100	550	40	2.271	2.853	150	0.1000	W3
F0240YH300	3000	240	3100	48.1 x 10 ³	40	2.00	100	550	40	2.271	2.853	150	0.1000	W3
F0300WC140	1400	240	2700	36.5 x 10 ³	530	3.00	70	550	40	1.760	2.210	125	0.0950	W1
F0300WC180	1800	240	2700	36.5 x 10 ³	530	3.00	70	550	40	1.760	2.210	125	0.0950	W1
F0800LC140	1400	775	7630	291 x 10 ³	380	1.10	200	1000	200	1.494	0.692	125	0.0320	W4
F0800LC180	1800	775	7630	291 x 10 ³	380	1.10	200	1000	200	1.494	0.692	125	0.0320	W4
F0900VC450	4500	816	10450	546 x 10 ³	120	3.80	230	1000	60	2.024	1.274	115	0.0160	W6
F0900VC520	5200	816	10450	546 x 10 ³	120	3.80	230	1000	60	2.024	1.274	115	0.0160	W6
F0900VF450	4500	816	10450	546 x 10 ³	120	3.80	230	1000	60	2.024	1.274	115	0.0160	W43
F0900VF520	5200	816	10450	546 x 10 ³	120	3.80	230	1000	60	2.024	1.274	115	0.0160	W43
F1000LC080	800	826	8500	361 x 10 ³	320	1.60	250	1000	800	1.530	0.547	125	0.0320	W4
F1000LC120	1200	826	8500	361 x 10 ³	320	1.60	250	1000	800	1.530	0.547	125	0.0320	W4
F1300NC45P	4500	1346	20800	2.16 x 10 ⁶	470	4.30	2150	1000	200	1.569	0.318	140	0.0240	W5
F1300NC50P	5000	1346	20800	2.16 x 10 ⁶	470	4.30	2150	1000	200	1.569	0.318	140	0.0240	W5
F1300NC55P	5500	1346	20800	2.16 x 10 ⁶	470	4.30	2150	1000	200	1.569	0.318	140	0.0240	W5
F1400NC140	1400	1093	17250	1.49 x 10 ⁶	800	1.50	1000	1400	1000	1.618	0.388	125	0.0240	W5
F1400NC180	1800	1093	17250	1.49 x 10 ⁶	800	1.50	1000	1400	1000	1.618	0.388	125	0.0240	W5
F1500NC200	2000	1054	13750	950 x 10 ³	1065	1.50	1500	1500	2000	1.372	0.535	125	0.0240	W5
F1500NC250	2500	1054	13750	950 x 10 ³	1065	1.50	1500	1500	2000	1.372	0.535	125	0.0240	W5
F1600NC080	800	1326	20000	2.0 x 10 ⁶	480	2.30	700	1600	800	1.320	0.268	125	0.0240	W5
F1600NC120	1200	1326	20000	2.0 x 10 ⁶	480	2.30	700	1600	800	1.320	0.268	125	0.0240	W5

Outlines on pages O-01...O-35



W1 Weight 70 g



W2 Weight 80 g



W3 Weight 140 g



W4 Weight 340 g



W5 Weight 510 g



W6 Weight 1 kg



W43 Weight 800 g