

Extra Fast Recovery Diodes - Capsule Types

WESTCODE

Featuring a combination of the latest developments in lifetime engineering technologies. 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 such as IGBT's and GCT's as well as pulsed power applications. Next generation parts currently in development will be released shortly.

Type		V_{RRM} V	I_{FAV} A $T_K = 55^\circ C$	I_{FSM} A	I^2t 10 ms ½ sine $V_R \leq 60\% V_{RRM}$ A²s	Typ. Reverse Recovery Parameters T_{JM} (50% Chord)					V_{TO} V	r_T mΩ	T_{JM} °C	R_{thJK} d.c. 180° sine K/W	Fig. No.
Part No. New	Old Part No.					I_{rm} A	t_{rr} μs	Q_{ra} μC	@ I_{FM} A	@-di _r /dt A/μs					
F0240YC250	N/A	2500	240	3100	48.1×10^3	40	2.0	40	550	40	2.271	2.853	150	0.100	W3
F0240YC300	N/A	3000	240	3100	48.1×10^3	40	2.0	40	550	40	2.271	2.853	150	0.100	W3
F0240YH250	N/A	2500	240	3100	48.1×10^3	40	2.0	40	550	40	2.271	2.853	150	0.100	W2
F0240YH300	N/A	3000	240	3100	48.1×10^3	40	2.0	40	550	40	2.271	2.853	150	0.100	W2
F0300WC140	F0258WC140	1400	240	2700	36.5×10^3	530	0.3	75	300	2000	1.760	2.210	125	0.095	W1
F0300WC180	F0258WC180	1800	240	2700	36.5×10^3	530	0.3	75	300	2000	1.760	2.210	125	0.095	W1
F0800LC140	F0400LC140	1400	775	7630	291×10^3	380	1.1	200	800	1000	1.494	0.692	125	0.032	W4
F0800LC180	F0400LC180	1800	775	7630	291×10^3	380	1.1	200	800	1000	1.494	0.692	125	0.032	W4
F0900VC450	FX055VC450	4500	816	10450	546×10^3	3000	1.4	2000	900	2000	2.024	1.274	115	0.016	W6
F0900VC520	FX055VC520	5200	816	10450	546×10^3	3000	1.4	2000	900	2000	2.024	1.274	115	0.016	W6
F0900VF450	FX055VF450	4500	816	10450	546×10^3	3000	1.4	2000	900	2000	2.024	1.274	115	0.016	W43
F0900VF520	FX055VF520	5200	816	10450	546×10^3	3000	1.4	2000	900	2000	2.024	1.274	115	0.016	W43
F1000LC080	F0500LC080	800	826	8500	361×10^3	320	1.6	250	1000	800	1.530	0.547	125	0.032	W4
F1000LC120	F0500LC120	1200	826	8500	361×10^3	320	1.6	250	1000	800	1.530	0.547	125	0.032	W4
F1300NC45P	N/A	4500	1346	20800	2.16×10^6	470	4.3	1010	1000	200	1.569	0.318	140	0.024	W5
F1300NC50P	N/A	5000	1346	20800	2.16×10^6	470	4.3	1010	1000	200	1.569	0.318	140	0.024	W5
F1300NC55P	N/A	5500	1346	20800	2.16×10^6	470	4.3	1010	1000	200	1.569	0.318	140	0.024	W5
F1400NC140	FX004NC140	1400	1093	17250	1.49×10^6	800	1.5	600	1400	1000	1.618	0.388	125	0.024	W5
F1400NC180	FX004NC180	1800	1093	17250	1.49×10^6	800	1.5	600	1400	1000	1.618	0.388	125	0.024	W5
F1500NC200	FX056NC200	2000	1054	13750	950×10^3	1065	1.5	800	1500	2000	1.372	0.535	125	0.024	W5
F1500NC250	FX056NC250	2500	1054	13750	950×10^3	1065	1.5	800	1500	2000	1.372	0.535	125	0.024	W5
F1600NC080	FX021NC080	800	1326	20000	2.0×10^6	480	2.3	550	1600	800	1.320	0.268	125	0.024	W5
F1600NC120	FX021NC120	1200	1326	20000	2.0×10^6	480	2.3	550	1600	800	1.320	0.268	125	0.024	W5



W1 Weight 70 g



W2 Weight 80 g



W3 Weight 140 g



W4 Weight 340 g



W5 Weight 510 g



W6 Weight 1000 g



W43 Weight 800 g

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