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GENERAL PURPOSE & INDUSTRIAL

RECTIFIER DIODES

FAST RECOVERY RECTIFIER DIODES < 100 A

Type	I_O (A)	V_{RRM} (V)	I_{FSM} 10 ms (A)	V_F / I_F max (V) (A)	I_R/V_{RRM} max (mA)	t_{rr} max (ns)	t_{rr} @ I_F = 0.5 A I_R = 1 A (ns)	Package
PLQ 08 PLQ 1	1	80 100	20	1.1 1	0.5 T_{amb} = 100°C	50 (1)	35	F 126
BYT 11-600 BYT 11-800 BYT 11-1000	1	600 800 1000	35	1.3 1	0.02	—	100	F 126
PFR 305 PFR 310	3	50 100	135	1.0 3	0.01	—	50	DO 27 A
PFR 850 PFR 851 PFR 852 PFR 854 PFR 856	3	50 100 200 400 600	150	1.25 3	0.01	150 (2) 150 (2) 150 (2) 150 (2) 200 (2)	75	DO 27 A
BYT 13-600 BYT 13-800 BYT 13-1000	3	600 800 1000	100	1.3 3	0.02	150 (3)	150	DO 27 A

(1) I_F = 1 A — V_R = 30 V — di_F/dt = −50 A/µs — I_{rr} = 0.2 I_{RM}.
(2) I_F = 1 A — V_R = 30 V — di_F/dt = −25 A/µs — I_{rr} = 0.2 I_{RM}.
(3) I_F = 0.5 A — I_R = 1 A — I_{rr} = 0.25 A.



Type	I_O (A)	V_{RRM} (V)	I_{FSM} 10 ms (A)	V_F / I_F max (V) (A)	I_R/V_{RRM} T_j = 100°C max (mA)	t_{rr} (1) max (ns)	Package
BYT 71-100 A BYT 71-400 A BYT 71-600 A BYT 71-800 A	6	100 400 600 800	90	1.4 6	1	300	DO 220
1N 3879, (R) 1N 3880, (R) 1N 3881, (R) 1N 3882, (R) 1N 3883, (R)	6	50 100 200 300 400	150	1.4 6	1	200	DO 4*
BY 233-200 A BY 233-400 A BY 233-600 A	8	200 400 600	100	1.5 8	1	150	DO 220
ESM 765-100 A ESM 765-200 A ESM 765-400 A ESM 765-600 A ESM 765-800 A	10	100 200 400 600 800	120	1,4 10	1	300	DO 220

(1) I_F = 1 A V_R = 30 V di_F/dt = − 15 A /µs — I_{rr} = 0.2 I_{RM}

* 10-32 UNF - M5 thread available on request → Type number + suffix M.

Type number : cathode to case.
Type number + suffix R : anode to case.