

HYPERFAST RECTIFIER

Types in **bold blue** represent new products
Types in **bold red italic** represent products in development
Hyperfast diodes for Continuous Current Mode PFC

V _{RRM} (V)	I _{F(AV)} (A)	V _F (typ)@150C (V)	@I _F (A)	t _r (typ)@25C (ns)	TO220-2L	TO220F-2L	IITO220-2L	TO220	TO220F	TO252	TO263	TO247-2L	TO247-3L	TO3PF
														
400	2 x 5	0.85	5	30					BYC405X-400P					
500	5	1.15	5	16	BYC5D-500	BYC5DX-500					BYC5B-600			
600	5	1.4	5	19										
600	5	1.55	5	13	BYC5-600P	BYC5X-600P								
600	8	1.4	8	20	BYC8D-600	BYC8DX-600								
600	8	1.4	8	19	BYC8-600P	BYC8X-600P					BYC8B-600P			
600	10	1.4	10	19							BYC10B-600			
600	10	1.3	10	19	BYC10-600P	BYC10X-600P								
600	10	1.4	10	18	BYC10D-600	BYC10DX-600								
600	2 x 5	1.4	5	19				BYC10-600CT						
600	15	1.4	15	22	BYC15-600P	BYC15X-600P								
600	15	1.27	15	26	BYC15M-600P	BYC15MX-600P				BYC15MD-600P	BYC15MB-600P			
600	20	1.4	20	28								BYC20MW-600PT2		
600	20	1.4	20	19	BYC20-600									
600	20	1.2	20	26	BYC20D-600P	BYC20DX-600P								
600	20	1.2	20	25		BYC20X-600P								
600	30	1.4	30	35			BYC30MY-600PS							BYC30JT-600PS
600	30	1.5	30	26										
600	30	1.38	30	29	BYC30-600P	BYC30X-600P	BYC30Y-600P				BYC30B-600P	BYC30DW-600P BYC30W-600P BYC30W-600PT2	BYC30WT-600P	
600	30	1.38	30	26										
600	30	1.5	30	51		BYC30X-600PS	BYC30Y-600PS							
600	30	1.4	30	60										
600	60	1.55	60	40								BYC30W-600PT2-A BYC60W-600P/PT2 BYC75W-600P/PT2		
600	75	1.6	75	42								BYC100MW-600PT2		
600	100	1.2	100	55										
650	8	1.45	8	28	BYC8M-650P	BYC8MX-650P				BYC8MD-650P	BYC8MB-650P			
650	10	1.5	10	29	BYC10M-650P	BYC10MX-650P				BYC10MD-650P	BYC10MB-650P			
650	12	1.6	12	30	BYC12M-650P	BYC12MX-650P				BYC12MD-650P				
650	15	1.6	15	30	BYC15M-650P	BYC15MX-650P				BYC15MD-650P				
650	30	1.38	30	38	BYC30M-650P	BYC30MX-650P					BYC15MB-650P BYC30MB-650P BYC30MB-650PS	BYC30MW-650PT2 BYC30MW-650PST2		
650	30	1.5	30	52	BYC30M-650PS	BYC30MX-650PS								
650	30	1.45	30	72	BYC31M-650PS	BYC31MX-650PS	BYC31MY-650PS							
650	50	1.23	50	75								BYC50MW-650PT2 BYC60MW-650PT2 BYC80MW-650PT2 BYC80MW-650PST2		
650	60	1.33	60	74										
650	80	1.46	80	60										
650	80	1.6	80	63										
1200V	5	2	5	42	BYC5-1200P									
1200V	8	2	8	46	BYC8-1200P									
1200V	15	2	15	61	BYC15-1200P									
1200V	30	2.1	30	70	BYC30-1200P									
1200V	40	2.2	40	91										
1200V	60	2.2	60	96								BYC30W-1200P BYC40W-1200P BYC60W-1200P BYC75W-1200P		
1200V	75	2.2	75	113										
1200V	100	2.2	100	115								BYC100W-1200P		

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V _{RRM} (V)	I _{F(AV)} (A)	V _F (typ)@150C (V)	@I _F (A)	IFSM@10ms (A)	TO220-2L	TO220F-2L	IITO220-2L	TO252	TO263	TO247-2L
										
600V	10	0.82	10	350		WND10M600X				
800V	8	0.84	8	150				SK8D		
800V	10	1.00	10	150		WND10P08X				
800V	10	1.00	10	180			WND10P08Y			
800V	35	1.15	35	400	WND35P08	WND35P08X				
1200V	35	1.15	35	400	WND35P12	WND35P12X			WND35P12B	
1600V	8	0.95	8	150		WND08P16X		WND08P16D		
1600V	35	1.15	35	400	WND35P16	WND35P16X			WND35P16B	
1600V	45	1.10	45	475						WND45P16W
1600V	60	0.99	60	950						WND60P16W
2000V	60	0.99	60	950						WND60P20W
2000V	90	1.00	60	950						WND90P20W