



ULTRAFAST RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz		Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ V_{RWM}	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	V_{RWM}	$I_O @ T_L$		I_{FSM}	I_R	I_{FM}	V_{FM}	t_{rr}	
	V	A	°C	A	μA	A	V	ns	

1.0 AMPERE ULTRA FAST

UF4001	50	1.0	55	30	5.0	1.0	1.0	50	DO-41
UF4002	100		55	30	5.0	1.0	1.0	50	
UF4003	200		55	30	5.0	1.0	1.0	50	
UF4004	400		55	30	5.0	1.0	1.3	50	
UF4005	600		55	30	5.0	1.0	1.7	75	
UF4006	800		55	30	5.0	1.0	1.7	75	
UF4007	1000		55	30	5.0	1.0	1.7	75	
UF4001GP	50		55	30	5.0	1.0	1.0	50	
UF4002GP	100		55	30	5.0	1.0	1.0	50	
UF4003GP	200		55	30	5.0	1.0	1.0	50	
UF4004GP	400		55	30	5.0	1.0	1.3	50	
UF4005GP	600		55	30	5.0	1.0	1.7	75	
UF4006GP	800		55	30	5.0	1.0	1.7	75	
UF4007GP	1000		55	30	5.0	1.0	1.7	75	
MUR105	50		55	35	5.0	1.0	.97	45	
MUR110	100		55	35	5.0	1.0	.97	45	
MUR115	150		55	35	5.0	1.0	.97	45	
MUR120	200		55	35	5.0	1.0	1.35	45	
MUR140	400		55	35	5.0	1.0	1.35	60	
MUR160	600		55	35	5.0	1.0	1.35	60	
MUR180	800		55	35	5.0	1.0	1.75	75	
MUR1100	1000		55	35	5.0	1.0	1.75	75	
MUR105GP	50		55	35	5.0	1.0	.97	45	
MUR110GP	100		55	35	5.0	1.0	.97	45	
MUR115GP	150		55	35	5.0	1.0	.97	45	
MUR120GP	200		55	35	5.0	1.0	1.35	45	
MUR140GP	400		55	35	5.0	1.0	1.35	45	
MUR160GP	600		55	35	5.0	1.0	1.35	60	

"G" suffix signifies a glass passivated die

3.0~4.0 AMPERE ULTRAFAST

UF5400	50	3.0	55	150	10	3.0	1.0	50	DO-201AD
UF5401	100		55	150	10	3.0	1.0	50	
UF5402	200		55	150	10	3.0	1.0	50	
UF5404	400		55	150	10	3.0	1.3	50	
UF5406	600		55	150	10	3.0	1.7	75	
UF5407	800		55	150	10	3.0	1.7	75	
UF5408	1000		55	150	10	3.0	1.7	75	
UF5400GP	50		55	150	10	3.0	1.0	50	
UF5401GP	100		55	150	10	3.0	1.0	50	
UF5402GP	200		55	150	10	3.0	1.0	50	
UF5404GP	400		55	150	10	3.0	1.3	50	
UF5406GP	600		55	150	10	3.0	1.7	75	
UF5407GP	800		55	150	10	3.0	1.7	75	
UF5408GP	1000		55	150	10	3.0	1.7	75	
MUR405	50	4.0	55	150	10	4.0	1.00	45	
MUR410	100		55	150	10	4.0	1.00	45	
MUR415	150		55	150	10	4.0	1.00	45	
MUR420	200		55	150	10	4.0	1.35	60	
MUR440	400		55	150	10	4.0	1.35	60	
MUR460	600		55	150	10	4.0	1.35	60	
MUR480	800		55	150	10	4.0	1.85	75	
MUR4100	1000		55	150	10	4.0	1.85	75	



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	V_{RWM}	$I_O @ T_L$		I_{FSM}	I_R	I_{FM}	V_{FM}	t_{rr}	
	V	A	°C	A	μA	A	V	ns	

1.0 AMPERE ULTRAFAST

UFM11PL	50	1.0	90	30	10	1.0	1.0	35	SOD-123FL
UFM12PL	100		90	30	10	1.0	1.0	35	
UFM13PL	200		90	30	10	1.0	1.0	35	
UFM14PL	400		90	30	10	1.0	1.4	50	
UFM15PL	600		90	30	10	1.0	1.7	75	
UFM16PL	800		90	30	10	1.0	1.7	75	
UFM17PL	1000		90	30	10	1.0	1.7	100	

1.0 AMPERE ULTRAFAST

US1A	50	1.0	75	30	5.0	1.0	1.0	50	SMA
US1B	100		75	30	5.0	1.0	1.0	50	
US1D	200		75	30	5.0	1.0	1.0	50	
US1G	400		75	30	5.0	1.0	1.4	50	
US1J	600		75	30	5.0	1.0	1.7	75	
US1K	800		75	30	5.0	1.0	1.7	75	
US1M	1000		75	30	5.0	1.0	1.7	100	

1.0 AMPERE ULTRAFAST

ES1AE	50	1.0	75	30	5.0	1.0	0.95	50	SMAE
ES1BE	100		75	30	5.0	1.0	0.95	50	
ES1CE	150		75	30	5.0	1.0	0.95	50	
ES1DE	200		75	30	5.0	1.0	0.95	50	
ES1GE	400		75	30	5.0	1.0	1.35	75	
ES1JE	600		75	30	5.0	1.0	1.35	75	
ES1KE	800		75	30	5.0	1.0	1.70	75	
ES1ME	1000		75	30	5.0	1.0	1.70	100	

1.0 AMPERE ULTRAFAST

UF1A	50	1.0	100	30	10	1.0	1	50	SMB
UF1B	100		100	30	10	1.0	1	50	
UF1D	200		100	30	10	1.0	1	50	
UF1G	400		100	30	10	1.0	1.4	50	
UF1J	600		100	30	10	1.0	1.7	75	
UF1K	800		100	30	10	1.0	1.7	75	
UF1M	1000		100	30	10	1.0	1.7	100	

2.0 AMPERE ULTRAFAST

US2A	50	2.0	110	50	5.0	2.0	1.0	50	SMB
US2B	100		110	50	5.0	2.0	1.0	50	
US2D	200		110	50	5.0	2.0	1.0	50	
US2G	400		110	50	5.0	2.0	1.4	50	
US2J	600		110	50	5.0	2.0	1.7	100	
US2K	800		110	50	5.0	2.0	1.7	100	
US2M	1000		110	50	5.0	2.0	1.7	100	