

Ultrafast Recovery Rectifiers

Part Number	Package Outline	Peak Inverse Voltage (V_{RWM}) (V)	Max. Average Forward Current (I_o) (A)	Max. Forward Surge Current (I_{FSM}) (A)	Max Reverse Leakage Current (I_R) (μ A)	Max Forward Voltage Drop (V_F) (V)	Max Reverse Recovery Time (t_{rr}) (ns)	Datasheet
ER1A	SMB	50	1	30	5	0.95	35	
ER1B	SMB	100	1	30	5	0.95	35	
ER1C	SMB	150	1	30	5	0.95	35	
ER1D	SMB	200	1	30	5	0.95	35	
ER1E	SMB	300	1	30	5	1.25	35	
ER1G	SMB	400	1	30	5	1.25	35	
ER1J	SMB	600	1	30	5	1.7	35	
ES1A	SMA	50	1	30	5	0.975	35	
ES1B	SMA	100	1	30	5	0.975	35	
ES1C	SMA	150	1	30	5	0.975	35	
ES1D	SMA	200	1	30	5	0.975	35	
ES1E	SMA	300	1	30	5	1.35	35	
ES1G	SMA	400	1	30	5	1.35	35	
ES1J	SMA	600	1	30	5	1.35	35	
ES1K	SMA	800	1	30	5	1.35	35	
ES1M	SMA	1000	1	30	5	1.6	35	
HER101	DO-41	50	1	30	5	1	50	
HER102	DO-41	100	1	30	5	1	50	
HER103	DO-41	200	1	30	5	1	50	
HER104	DO-41	300	1	30	5	1.3	50	
HER105	DO-41	400	1	30	5	1.3	50	
HER106	DO-41	600	1	30	5	1.7	70	
HER107	DO-41	800	1	30	5	1.7	70	
HER108	DO-41	1000	1	30	5	1.7	70	
SF11	DO-41	50	1	30	5	0.95	35	
SF12	DO-41	100	1	30	5	0.95	35	
SF13	DO-41	150	1	30	5	0.95	35	
SF14	DO-41	200	1	30	5	0.95	35	
SF15	DO-41	300	1	30	5	1.3	35	
SF16	DO-41	400	1	30	5	1.3	35	
SF17	DO-41	600	1	30	5	1.7	35	
UF4001	DO-41	50	1	30	5	1	50	
UF4002	DO-41	100	1	30	5	1	50	
UF4003	DO-41	200	1	30	5	1	50	
UF4004	DO-41	400	1	30	5	1.3	50	
UF4005	DO-41	600	1	30	5	1.7	75	
UF4006	DO-41	800	1	30	5	1.7	75	
UF4007	DO-41	1000	1	30	5	1.7	75	
MUR160HW	SOD123	600	1	30	5	1.35	50	
ER2A	SMB	50	2	50	5	0.95	35	
ER2B	SMB	100	2	50	5	0.95	35	
ER2C	SMB	150	2	50	5	0.95	35	
ER2D	SMB	200	2	50	5	0.95	35	
ER2E	SMB	300	2	50	5	1.25	35	
ER2G	SMB	400	2	50	5	1.25	35	
ER2J	SMB	600	2	50	5	1.7	35	
HER201	DO-15	50	2	60	5	1	50	
HER202	DO-15	100	2	60	5	1	50	
HER203	DO-15	200	2	60	5	1	50	
HER204	DO-15	300	2	60	5	1.3	50	
HER205	DO-15	400	2	60	5	1.3	50	
HER206	DO-15	600	2	60	5	1.7	70	
HER207	DO-15	800	2	60	5	1.7	70	
HER208	DO-15	1000	2	60	5	1.7	70	
SF21	DO-15	50	2	50	5	0.95	35	
SF22	DO-15	100	2	50	5	0.95	35	

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SF23	DO-15	150	2	50	5	0.95	35	
SF24	DO-15	200	2	50	5	0.95	35	
SF25	DO-15	300	2	50	5	1.3	35	
SF26	DO-15	400	2	50	5	1.3	35	
SF27	DO-15	500	2	50	5	1.7	35	
MUR240AX	DO-201AD	400	2	45	5	1.2	40	
ED302S	DPAK	200	3	75	5	0.95	35	
ED303S	DPAK	300	3	75	5	1.25	35	
ED304S	DPAK	400	3	75	5	1.25	35	
ED306S	DPAK	600	3	75	5	1.7	35	
ER3A	SMC	50	3	100	5	0.95	35	
ER3B	SMC	100	3	100	5	0.95	35	
ER3C	SMC	150	3	100	5	0.95	35	
ER3D	SMC	200	3	100	5	0.95	35	
ER3E	SMC	300	3	100	5	1.25	35	
ER3G	SMC	400	3	100	5	1.25	35	
ER3J	SMC	600	3	100	5	1.7	35	
HER301	DO-27	50	3	200	5	1	50	
HER302	DO-27	100	3	200	5	1	50	
HER303	DO-27	200	3	200	5	1	50	
HER304	DO-27	300	3	200	5	1.3	50	
HER305	DO-27	400	3	200	5	1.3	50	
HER306	DO-27	600	3	150	5	1.7	70	
HER307	DO-27	800	3	150	5	1.7	70	
HER308	DO-27	1000	3	150	5	1.7	70	
SF31	DO-201AD	50	3	125	5	0.95	35	
SF32	DO-201AD	100	3	125	5	0.95	35	
SF33	DO-201AD	150	3	125	5	0.95	35	
SF34	DO-201AD	200	3	125	5	0.95	35	
SF35	DO-201AD	300	3	125	5	1.3	35	
SF36	DO-201AD	400	3	125	5	1.3	35	
SF37	DO-201AD	600	3	125	5	1.7	35	
UF5400	DO-27	50	3	150	5	1	50	
UF5401	DO-27	100	3	150	5	1	50	
UF5402	DO-27	200	3	150	5	1	50	
UF5404	DO-27	400	3	150	5	1	50	
UF5405	DO-27	500	3	150	5	1.7	75	
UF5406	DO-27	600	3	150	5	1.7	75	
UF5407	DO-27	800	3	150	5	1.7	75	
UF5408	DO-27	1000	3	150	5	1.7	75	
MURD330	DPAK	300	3	75	5	1.25	35	
MUR340AX	DO-201AD	400	3	45	5	1.2	40	
MUR360	SMC	600	3	45	2	1.5	30	
MUR360AX	DO-201AD	600	3	150	5	1.5	50	
MUR460AX	DO-201AD	600	4	150	5	1.7	75	
MUR520AX	DO-201AD	200	5	65	250	1.05	40	
MURF520	ITO-220AC	200	5	65	250	0.98	40	
MUR540AX	DO-201AD	400	5	80	10	1.7	50	
MUR560AX	DO-201AD	600	5	150	5	1.7	75	
MUR530AX	DO-201AD	300	5	150	10	1.3	50	
ED502S	DPAK	200	5	75	5	0.95	35	
ED503S	DPAK	300	5	75	5	1.25	35	
ED504S	DPAK	400	5	75	5	1.25	35	
ED506S	DPAK	600	5	75	5	1.7	35	
SF51	DO-27	50	5	150	5	0.95	35	
SF52	DO-27	100	5	150	5	0.95	35	
SF53	DO-27	150	5	150	5	0.95	35	
SF54	DO-27	200	5	150	5	0.95	35	
SF55	DO-27	300	5	150	5	1.3	35	

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SF56	DO-27	400	5	150	5	1.3	35	
SF57	DO-27	600	5	150	5	1.7	35	
MURF620	ITO-220AC	200	6	60	6	1.2	35	
MUR640AX	DO-201AD	400	6	150	5	1.3	50	
MUR660AX	DO-201AD	600	6	150	5	1.8	50	
ED602CS	DPAK	200	6	75	5	0.95	35	
ED603CS	DPAK	300	6	75	5	1.3	35	
ED604CS	DPAK	400	6	75	5	1.3	35	
ED606CS	DPAK	600	6	75	5	1.7	35	
HER601	R-6	50	6	300	10	1	50	
HER602	R-6	100	6	300	10	1	50	
HER603	R-6	200	6	300	10	1	50	
HER604	R-6	300	6	300	10	1.3	50	
HER605	R-6	400	6	300	10	1.3	50	
HER606	R-6	600	6	300	10	1.7	70	
HER607	R-6	800	6	300	10	1.7	70	
HER608	R-6	1000	6	300	10	1.7	70	
SF61	DO-201AD	50	6	150	5	0.975	35	
SF62	DO-201AD	100	6	150	5	0.975	35	
SF63	DO-201AD	150	6	150	5	0.975	35	
SF64	DO-201AD	200	6	150	5	0.975	35	
SF65	DO-201AD	300	6	150	5	1.3	35	
SF66	DO-201AD	400	6	150	5	1.3	35	
ED802CS	DPAK	200	8	85	5	0.95	35	
ED803CS	DPAK	300	8	85	5	1.3	50	
ED804CS	DPAK	400	8	85	5	1.3	50	
ED806CS	DPAK	600	8	85	5	1.7	50	
ER800	TO-220AC	50	8	125	10	0.95	35	
ER801	TO-220AC	100	8	125	10	0.95	35	
ER802	TO-220AC	200	8	125	10	0.95	35	
ER803	TO-220AC	300	8	125	10	1.3	50	
ER804	TO-220AC	400	8	125	10	1.3	50	
ER806	TO-220AC	600	8	125	10	1.7	50	
FES8DT	TO-220AC	200	8	125	10	0.95	35	
FES8FT	TO-220AC	300	8	125	10	1.3	50	
FES8GT	TO-220AC	400	8	125	10	1.3	50	
FES8JT	TO-220AC	600	8	125	10	1.7	50	
FESB8DT	D ² PAK	200	8	125	10	0.95	35	
FESB8FT	D ² PAK	300	8	125	10	1.3	50	
FESB8GT	D ² PAK	400	8	125	10	1.3	50	
UF800	TO-220AC	50	8	125	10	1	50	
UF801	TO-220AC	100	8	125	10	1	50	
UF802	TO-220AC	200	8	125	10	1	50	
UF803	TO-220AC	300	8	125	10	1.3	50	
UF804	TO-220AC	400	8	125	10	1.3	50	
UF806	TO-220AC	600	8	125	10	1.7	100	
UF808	TO-220AC	800	8	125	10	1.7	100	
MUR820	TO-220AC	200	8	110	10	1.5	50	
MUR860	TO-220AC	600	8	110	10	1.5	50	
MUR860S	TO-263	600	8	110	10	1.3	50	
MUR860AX	DO-201AD	600	8	110	5	2.2	50	
MURF860	ITO-220AC	600	8	110	5	2.2	50	
ER1000	TO-220AC	50	10	150	10	0.95	35	
ER1001	TO-220AC	100	10	150	10	0.95	35	
ER1002	TO-220AC	200	10	150	10	0.95	35	
ER1003	TO-220AC	300	10	150	10	1.3	50	
ER1004	TO-220AC	400	10	150	10	1.3	50	
ER1006	TO-220AC	600	10	150	10	1.7	50	
ER1000CT	TO-220AB	50	10	150	10	0.95	35	

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ER1001CT	TO-220AB	100	10	150	10	0.95	35	
ER1002CT	TO-220AB	200	10	150	10	0.95	35	
ER1003CT	TO-220AB	300	10	150	10	1.3	50	
ER1004CT	TO-220AB	400	10	150	10	1.3	50	
ER1006CT	TO-220AB	600	10	150	10	1.7	50	
ER1000F	ITO-220AC	50	10	150	10	0.95	35	
ER1001F	ITO-220AC	100	10	150	10	0.95	35	
ER1002F	ITO-220AC	200	10	150	10	0.95	35	
ER1003F	ITO-220AC	300	10	150	10	1.3	50	
ER1004F	ITO-220AC	400	10	150	10	1.3	50	
ER1000FCT	ITO-220AB	50	10	150	10	0.95	35	
ER1001FCT	ITO-220AB	100	10	150	10	0.95	35	
ER1002FCT	ITO-220AB	200	10	150	10	0.95	35	
ER1003FCT	ITO-220AB	300	10	150	10	1.3	50	
ER1004FCT	ITO-220AB	400	10	150	10	1.3	50	
SDURF1030CT	ITO-220AB	300	10	80	30	1.3	45	
SDURF1030CTR	ITO-220AB	300	10	80	30	1.3	45	
SDURF1040CT	ITO-220AB	400	10	80	30	1.3	45	
SDURF1040CTR	ITO-220AB	400	10	80	30	1.3	45	
MUR1030CT	TO-220AB	300	10	150	10	1.3	50	
MUR1040CT	TO-220AB	400	10	80	10	1.7	50	
MUR1060CT	TO-220AB	600	10	125	5	1.7	50	
MURF1020	ITO-220AC	200	10	100	10	1.2	35	
MURF1030CT	ITO-220AB	300	10	150	10	1.3	50	
MURF1040CT	TO-220F	400	10	80	10	1.7	50	
MURF1060	ITO-220AC	600	10	60	5	2.2	50	
MURF1060CT	ITO-220AB	600	10	125	5	1.75	50	
SURF1060	TO-220AC	600	10	110	5	2.2	50	
LURF1060	ITO-220AC	600	10	180	5	2.2	50	
UF1000	TO-220AC	50	10	150	10	1	50	
UF1001	TO-220AC	100	10	150	10	1	50	
UF1002	TO-220AC	200	10	150	10	1	50	
UF1003	TO-220AC	300	10	150	10	1.3	50	
UF1004	TO-220AC	400	10	150	10	1.3	50	
UF1006	TO-220AC	600	10	150	10	1.7	100	
UF1008	TO-220AC	800	10	150	10	1.7	100	
MUR1520	TO-220AC	200	15	110	25	1.7	50	
MUR1560	TO-220AC	600	15	110	25	1.7	50	
MURF1560	ITO-220AC	600	15	110	50	1.7	50	
SURF1560	ITO-220AC	600	15	125	5	2.4	50	
FEP16DT	TO-220AB	200	16	200	10	0.95	35	
FEP16FT	TO-220AB	300	16	200	10	1.3	50	
FEP16GT	TO-220AB	400	16	200	10	1.3	50	
FEP16JT	TO-220AB	600	16	200	10	1.5	50	
FEPB16DT	D ² PAK	200	16	125	10	0.95	35	
FEPB16FT	D ² PAK	300	16	125	10	1.3	50	
FEPB16GT	D ² PAK	400	16	125	10	1.3	50	
FES16DT	TO-220AC	200	16	250	10	0.975	35	
FES16FT	TO-220AC	300	16	250	10	1.3	50	
FES16GT	TO-220AC	400	16	250	10	1.3	50	
UF1600CT	TO-220AB	50	16	125	10	1	50	
UF1601CT	TO-220AB	100	16	125	10	1	50	
UF1602CT	TO-220AB	200	16	125	10	1	50	
UF1603CT	TO-220AB	300	16	125	10	1.3	50	
UF1604CT	TO-220AB	400	16	125	10	1.3	50	
UF1606CT	TO-220AB	600	16	125	10	1.7	100	
UF1608CT	TO-220AB	800	16	125	10	1.7	100	
MUR1620CT	TO-220AB	200	16	110	10	1.5	35	
MURB1620CT	D2PAK	200	16	110	10	1.5	35	

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MURF1620CT	ITO-220AB	200	16	110	10	1.5	35	
MUR1660CT	TO-220AB	600	16	110	5	2.2	50	
MUR1640CT	TO-220AB	400	16	125	10	1.3	50	
MURF1660CT	ITO-220AB	600	16	110	5	2.2	50	
MUR2030CT	TO-220AB	300	20	125	10	1.5	35	
MUR2060CT-1	TO-262	600	20	110	50	2.2	50	
MUR2030WT	TO-247AD	300	20	125	10	1.5	35	
MURF2020CT	ITO-220AB	200	20	100	10	1.2	35	
MUR2060WT	TO-247AD	600	20	110	5	2.2	50	
MURF2030CT	ITO-220AB	300	20	180	5	1.55	30	
MUR3020PT	TO-247AD	200	30	110	50	1.7	50	
MUR3020WT	TO-247AD	200	30	110	50	1.7	50	
MURF3020CT	TO-220F	200	30	110	50	1.7	50	
MUR3060WT	TO-247AD	600	30	110	50	1.7	50	
MUR3040	TO-247AC	400	37	320	100	1.6	50	
MUR3060	TO-247AC	600	37	320	100	1.6	50	
MUR3080	TO-247AC	800	37	210	750	1.6	50	
MUR30100	TO-247AC	1000	37	210	750	1.6	50	
MUR6030WT	TO-247AD	300	60	230	4400	1.3	35	
MUR6040WT	TO-247AD	400	60	230	4400	1.7	45	