SUPERFAST 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}	$I_{F(AV)}$ @ T_L		I_{FSM}	I_R	I_{FM}	V_{FM}	t_{rr}	
	V	A	°C	A	μA	A	V	ns	

1.0 AMPERE SUPER FAST

SF11	50	1.0	55	30	5.0	1.0	.95	35	DO-41
SF12	100		55	30	5.0	1.0	.95	35	
SF13	150		55	30	5.0	1.0	.95	35	
SF14	200		55	30	5.0	1.0	.95	35	
SF15	300		55	30	5.0	1.0	1.30	35	
SF16	400		55	30	5.0	1.0	1.30	35	
SF18	600		55	30	5.0	1.0	1.7	35	

2.0 AMPERE SUPER FAST

SF21	50	2.0	55	50	5.0	2.0	.95	35	DO-15
SF22	100		55	50	5.0	2.0	.95	35	
SF23	150		55	50	5.0	2.0	.95	35	
SF24	200		55	50	5.0	2.0	.95	35	
SF25	300		55	50	5.0	2.0	1.3	35	
SF26	400		55	50	5.0	2.0	1.3	35	
SF21G	50		55	50	5.0	2.0	0.95	35	
SF22G	100		55	50	5.0	2.0	0.95	35	
SF23G	150		55	50	5.0	2.0	0.95	35	
SF24G	200		55	50	5.0	2.0	0.95	35	
SF25G	300		55	50	5.0	2.0	1.3	35	
SF26G	400		55	50	5.0	2.0	1.3	35	

"G" suffix signifies a glass passivated die

3.0 AMPERE SUPER FAST

SF31	50	3.0	55	50	5.0	2.0	.95	35	DO-201AD
SF32	100		55	50	5.0	2.0	.95	35	
SF33	150		55	50	5.0	2.0	.95	35	
SF34	200		55	50	5.0	2.0	.95	35	
SF35	300		55	50	5.0	2.0	1.3	35	
SF36	400		55	50	5.0	2.0	1.3	35	
SF38	600		55	50	5.0	2.0	1.7	35	
SF31G	50		55	125	5.0	3.0	0.95	35	
SF32G	100		55	125	5.0	3.0	0.95	35	
SF34G	200		55	125	5.0	3.0	0.95	35	
SF35G	300		55	125	5.0	3.0	0.95	35	
SF36G	400		55	125	5.0	3.0	1.27	35	
SF38G	600		55	125	5.0	3.0	1.75	35	

"G" suffix signifies a glass passivated die

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}	$I_{F(AV)}$ @ T_L		I_{FSM}	I_R	I_{FM}	V_{FM}	t_{rr}	
	V	A	°C	A	μA	A	V	ns	

4.0 ~6.0AMPERE SUPER FAST

SF41G	50	4.0	55	150	5	4.0	0.95	35	DO-201AD
SF42G	100		55	150	5	4.0	0.95	35	
SF44G	200		55	150	5	4.0	0.95	35	
SF45G	300		55	150	5	4.0	0.95	35	
SF46G	400		55	150	5	4.0	1.27	35	
SF48G	600		55	150	5	4.0	1.75	35	
SF51	50	5.0	55	150	5.0	5.0	.95	35	
SF52	100		55	150	5.0	5.0	.95	35	
SF53	150		55	150	5.0	5.0	.95	35	
SF54	200		55	150	5.0	5.0	.95	35	
SF55	300		55	150	5.0	5.0	1.25	35	
SF56	400		55	150	5.0	5.0	1.25	35	
SF58	600		55	150	5.0	5.0	1.70	35	
SF51G	50		55	150	5.0	5.0	.95	35	
SF52G	100		55	150	5.0	5.0	.95	35	
SF54G	200		55	150	5.0	5.0	.95	35	
SF55G	300		55	150	5.0	5.0	.95	35	
SF56G	400		55	150	5.0	5.0	1.27	35	
SF58G	600		55	150	5.0	5.0	1.75	35	
SF61	50	6.0	55	150	5.0	6.0	.975	35	
SF62	100		55	150	5.0	6.0	.975	35	
SF63	150		55	150	5.0	6.0	.975	35	
SF64	200		55	150	5.0	6.0	.975	35	
SF65	300		55	150	5.0	6.0	1.3	35	
SF66	400		55	150	5.0	6.0	1.3	35	

"G" suffix signifies a glass passivated die

1.0 AMPERE SUPER FAST

SFM11PL	50	1.0	50	30	5	1.0	0.95	35	SOD-123FL
SFM12PL	100		50	30	5	1.0	0.95	35	
SFM13PL	150		50	30	5	1.0	0.95	35	
SFM14PL	200		50	30	5	1.0	0.95	35	
SFM15PL	300		50	30	5	1.0	1.25	35	
SFM16PL	400		50	30	5	1.0	1.25	35	
SFM17PL	500		50	30	5	1.0	1.70	35	
SFM18PL	600		50	30	5	1.0	1.70	35	

1.0 AMPERE SUPER FAST

ES1A-L	50	1.0	55	30	5	2.0	0.95	35	SMA
ES1B-L	100		55	30	5	2.0	0.95	35	
ES1D-L	200		55	30	5	2.0	0.95	35	
ES1G-L	400		55	30	5	2.0	1.25	35	
ES1J-L	600		55	30	5	2.0	1.70	35	

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}	$I_{F(AV)}$ @ T_L		I_{FSM}	I_R	I_{FM}	V_{FM}	t_{rr}	
	V	A	°C	A	μA	A	V	ns	
1.0 AMPERE SUPER FAST									
ER1A-L	50	1.0	55	30	5	2.0	0.95	35	SMB
ER1B-L	100		55	30	5	2.0	0.95	35	
ER2D-L	200		55	30	5	2.0	0.95	35	
ER1G-L	400		55	30	5	2.0	1.25	35	
ER1J-L	600		55	30	5	2.0	1.70	35	
2.0 AMPERE SUPER FAST									
ES2A-L	50	2.0	55	50	5	2.0	0.95	35	SMA
ES2B-L	100		55	50	5	2.0	0.95	35	
ES2D-L	200		55	50	5	2.0	0.95	35	
ES2G-L	400		55	50	5	2.0	1.25	35	
ES2J-L	600		55	50	5	2.0	1.70	35	
2.0 AMPERE SUPER FAST									
ER2A-L	50	2.0	55	50	5	2.0	0.95	35	SMB
ER2B-L	100		55	50	5	2.0	0.95	35	
ER2D-L	200		55	50	5	2.0	0.95	35	
ER2G-L	400		55	50	5	2.0	1.25	35	
ER2J-L	600		55	50	5	2.0	1.70	35	
3.0 AMPERE SUPER FAST									
ER3AB	50	3.0	75	100	5.0	3.0	0.95	35	SMB
ER3BB	100		75	100	5.0	3.0	0.95	35	
ER3CB	150		75	100	5.0	3.0	0.95	35	
ER3DB	200		75	100	5.0	3.0	0.95	35	
ER3GB	400		75	100	5.0	3.0	1.25	35	
ER3JB	600		75	100	5.0	3.0	1.70	35	
ER3KB	800		75	100	5.0	3.0	1.70	75	
ER3MB	1000		75	100	5.0	3.0	1.70	75	
3.0 AMPERE SUPER FAST									
ER3A	50	3.0	75	100	5.0	3.0	.95	35	SMC
ER3B	100		75	100	5.0	3.0	.95	35	
ER3C	150		75	100	5.0	3.0	.95	35	
ER3D	200		75	100	5.0	3.0	.95	35	
ER3G	400		75	100	5.0	3.0	1.25	35	
ER3J	600		75	100	5.0	3.0	1.70	35	
ER3K	800		75	100	5.0	3.0	1.70	75	
ER3M	1000		75	100	5.0	3.0	1.70	75	