

Device Type	Reverse Voltage		Forward Current @55°C		Reverse Recovery Time	Repetitive Surge Current	1 Cycle Surge Current tp=8.3ms	Forward Voltage Drop		Reverse Current		Junction Cap C _J @ 5V 1MHz	Thermal Impedance		Operating & Storage Temp Range		Case Outline
	V _{RRM}	V _{FRM}	I _F (AV)					T _r	I _{FRM}	I _{FSM}	V _F @ I _F		I _R @ V _{RRM}		θ _{J-L}		
	Volts	Volts	pcbs mtd	L=1/8"	ns	Amps	Amps	Volts	Amps	25 C	100 C	3/8"	0"	Min	Max	C	C
			Amps	Amps						µA	µA	pF	C/W	C/W			

SUPERFAST RECOVERY HIGH VOLTAGE

SFF30	3000	3000	0.17	0.36	50	1	10	7.0	0.175	1.0	25	6.5	30	18	-65	175	G12
PFF50 ^{FX}	5000	5000	0.15	0.36	30	5	22	12.5	0.20	0.1	5	4.5	24	18	-65	175	G84
1FF25	2500	2500	0.100	0.25	60	1	4	5.5	0.100	0.20	10		NA	34	-65	175	G136
1FF50	5000	5000	0.100	0.25	60	1	4	9.0	0.100	0.20	10		NA	32	-65	175	G136
1FF75	7500	7500	0.100	0.25	60	.5	2	12.0	0.100	0.20	10		NA	30	-65	175	G136
1FF100	10000	10000	0.100	0.25	60	.5	2	20.0	0.100	0.20	10		NA	29	-65	175	G136
2FF25	2500	2500	0.200	0.35	60	2.5	10	6.0	0.200	0.50	20		NA	16	-65	175	G138
2FF50	5000	5000	0.200	0.35	60	2.5	10	9.0	0.200	0.50	20		NA	15	-65	175	G138
2FF75	7500	7500	0.200	0.35	60	1.25	5	12.0	0.200	0.50	20		NA	14	-65	175	G138
2FF100	10000	10000	0.200	0.35	60	1.25	5	18.0	0.200	0.50	20		NA	13	-65	175	G138
5FF25	2500	2500	0.500	0.65	60	6.0	30	8.0	0.500	1.0	25		NA	14	-65	175	G142
5FF50	5000	5000	0.500	0.65	60	6.0	30	10.0	0.500	1.0	25		NA	12	-65	175	G142
10FF25	2500	2500	1.0	0.80	60	8.0	40	6.5	1.0	1.0	25		NA	15	-65	175	G143

FAST RECOVERY HIGH VOLTAGE

F15	1500	1500	0.20	0.35	250	1.25	5.0	5.0	0.10	0.25	10	2.5	48	30	-65	175	G66
F20	2000	2000	0.20	0.35	250	1.25	5.0	5.0	0.10	0.25	10	2.5	48	30	-65	175	G66
F25	2500	2500	0.20	0.35	250	1.25	5.0	5.0	0.10	0.25	10	2.5	48	30	-65	175	G66
F30 ^F	3000	3000	0.20	0.35	250	1.25	5.0	5.0	0.10	0.25	10	2.5	48	30	-65	175	G66
S15F	1500	1500	0.24	0.50	300	2.5	10	5.0	0.10	1.00	25	4.0	30	18	-65	175	G12
S20F	2000	2000	0.24	0.50	300	2.5	10	5.0	0.10	1.00	25	4.0	30	18	-65	175	G12
S25F	2500	2500	0.24	0.50	300	2.5	10	5.0	0.10	1.00	25	4.0	30	18	-65	175	G12
F40A	4000	4000	0.13	0.25	300	0.75	2.5	8.0	0.05	1.0	10	2.0	40	26	-65	175	G42
F50A	5000	5000	0.13	0.25	300	0.75	2.5	8.0	0.05	1.0	10	2.0	40	26	-65	175	G42
F60A ^F	6000	6000	0.13	0.25	300	0.75	2.5	8.0	0.05	1.0	10	2.0	40	26	-65	175	G42
F50	5000	5000	0.065	0.18	300	0.25	2.0	10.0	0.01	1.00	5	1.7	44	33	-65	175	G10
F75	7500	7500	0.065	0.18	300	0.25	2.0	10.0	0.01	0.25	5	1.7	44	33	-65	175	G10
SM75F	7500	7500	0.12	0.29	300	1.0	14	12.0	0.10	1.0	20	3.0	28	20	-65	175	G43
SM100F	10000	10000	0.12	0.29	300	1.0	14	12.0	0.10	1.0	20	3.0	28	20	-65	175	G43
PF20	2000	2200	0.065	0.10	200	0.5	1.0	11.0	0.05	0.25	3	1.1	75	55	-65	150	G87
11PF25	2500	2750	0.34	0.80	350	10	27	6.5	2.00	1.0	10	9.5	25	19	-65	165	G91
8PF37	3750	4200	0.26	0.625	350	9.0	22	7.0	0.80	0.25	50	6.3	25	19	-65	165	G85
PFM50	5000	5650	0.05	0.092	250	1.0	2.0	12.5	0.025	0.03	3	0.75	64	48	-65	150	G82
PFM75	7500	8500	0.05	0.092	250	1.0	2.0	12.5	0.025	0.03	3	0.75	64	48	-65	150	G82
PF75	6000	7500	0.185	0.500	350	5.0	22	11.2	0.55	5.0	50	4.0	24	18	-65	165	G84
PF100	9000	10000	—	0.004	200	0.5	—	39.0	0.02	0.1	1	4.0	—	—	-65	120	G92
PF120	10000	12000	—	0.004	200	0.5	—	39.0	0.02	0.1	1	4.0	—	—	-65	120	G92
PF140	12000	14000	—	0.003	200	0.5	—	52.0	0.02	0.1	1	4.0	—	—	-65	120	G92
PF170	14000	17000	—	0.003	200	0.5	—	52.0	0.02	0.1	1	4.0	—	—	-65	120	G92
PF190	16000	19000	—	0.003	200	0.5	—	52.0	0.02	0.1	1	4.0	—	—	-65	120	G92
2PF140	12000	14000	.225 ¹	—	350	5.0	16.0	25.0	1.0	5.0	50	0.23	40	30	-65	165	G86

Devices in **BOLD** type available to JAN, JANTX, and JANTXV levels.

NOTE: (A) Not available to JANTXV. (F) Available in Europe to F and FX levels. (FX) Available in Europe to FX level only.

(1) 55°C Stirred oil.

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