

Device Type	Reverse Voltage		Forward Current @55°C		Reverse Rec- overy Time	Repet- itive Surge Current	1 Cycle Surge Current tp=8.3ms	Forward Voltage Drop		Reverse Current		Junction Cap	Thermal Impedance		Operating & Storage Temp Range		Case Outline
	V _{RRM}	V _{RRM}	I _F (AV)		T _R	I _{FRM}	I _{FSM}	V _F @ I _F		I _R @ V _{RRM}		C _J @ 5V 1MHz	θ _{J-L}		T _{OP} & T _{STG}		
			pcb mtd	L=0.8" 1"						25°C	100°C		0.8" 3/4" 1"	0"	Min	Max	
	Volts	Volts	Amps	Amps	ns	Amps	Amps	Volts	Amps	µA	µA	pF	C/W	C/W	C	C	

SUPERFAST RECOVERY DISCRETE RECTIFIERS

1N6073	50	50	0.9	1.8	30	14	35	1.20	1.5	1.0	50	28	46	13	-65	150	G5
1N6074F	100	100	0.9	1.8	30	14	35	1.20	1.5	1.0	50	28	46	13	-65	150	G5
1N6075F	150	150	0.9	1.8	30	14	35	1.20	1.5	1.0	50	28	46	13	-65	150	G5
1N6079	50	50	2.1	5.0	30	24	175	0.97	5.0	10.0	500	230	23.5	5	-65	150	G4
1N6080F	100	100	2.1	5.0	30	24	175	0.97	5.0	10.0	500	230	23.5	5	-65	150	G4
1N6081F	150	150	2.1	5.0	30	24	175	0.97	5.0	10.0	500	230	23.5	5	-65	150	G4
FF05	50	50	0.9	1.8	30	14	35	1.20	1.5	1.0	50	28	46	13	-65	150	G5
FF10	100	100	0.9	1.8	30	14	35	1.20	1.5	1.0	50	28	46	13	-65	150	G5
FF15	150	150	0.9	1.8	30	14	35	1.20	1.5	1.0	50	28	46	13	-65	150	G5
5FF05	50	50	2.0	5.0	30	24	175	0.97	5.0	10.0	500	230	23.5	5	-65	150	G4
5FF10	100	100	2.0	5.0	30	24	175	0.97	5.0	10.0	500	230	23.5	5	-65	150	G4
5FF15	150	150	2.0	5.0	30	24	175	0.97	5.0	10.0	500	230	23.5	5	-65	150	G4
3FF30	300	300	1.1	3.4	50	15	70	1.40	3.0	10.0	500	125	20	5	-65	150	G63
3FF40	400	400	1.1	3.4	50	15	70	1.40	3.0	10.0	500	125	20	5	-65	150	G63
3FF50	500	500	1.1	3.4	50	15	70	1.40	3.0	10.0	500	125	20	5	-65	150	G63
3FF60	600	600	1.1	3.4	50	15	70	1.40	3.0	10.0	500	125	20	5	-65	150	G63
USC1104	200	200	1.0	2.0	50	9	20	1.25	1.0	10.0	200	25	38	7	-55	150	G2
USC1105	300	300	1.0	2.0	50	9	20	1.25	1.0	10.0	200	25	38	7	-55	150	G2
USC1106	400	400	1.0	2.0	50	9	20	1.25	1.0	10.0	200	25	38	7	-55	150	G2
USC1304	200	200	3.0	5.0	50	16	70	1.25	3.0	20.0	500	50	20	5	-55	150	G4
USC1305	300	300	3.0	5.0	50	16	70	1.25	3.0	20.0	500	50	20	5	-55	150	G4
USC1306	400	400	3.0	5.0	50	16	70	1.25	3.0	20.0	500	50	20	5	-55	150	G4
1N5802F	50	50	1.4	3.3	25	14	35	0.875	1.0	1.0	50	25	59 ¹	—	-65	175	G111
1N5804F	100	100	1.4	3.3	25	14	35	0.875	1.0	1.0	50	25	59 ¹	—	-65	175	G111
1N5806F	150	150	1.4	3.3	25	14	35	0.875	1.0	1.0	50	25	59 ¹	—	-65	175	G111
1N5807F	50	50	1.8	6.0	30	25	125	0.875	4.0	5.0	150	60	35.5 ¹	11	-65	175	G112
1N5809F	100	100	1.8	6.0	30	25	125	0.875	4.0	5.0	150	60	35.5 ¹	11	-65	175	G112
1N5811F	150	150	1.8	6.0	30	25	125	0.875	4.0	5.0	150	60	35.5 ¹	11	-65	175	G112
PFF2	200	200	0.75	1.25	30	4.25	22	2.50	1.0	1.0	10	30	47	19	-65	175	G88
PFF4	400	400	0.75	1.25	30	4.25	22	2.50	1.0	1.0	10	30	47	19	-65	175	G88
PFF6FX	600	600	0.75	1.25	30	4.25	22	2.50	1.0	1.0	10	30	47	19	-65	175	G88
PFF8FX	800	800	0.75	1.25	75	4.25	22	2.50	1.0	1.0	10	30	47	19	-65	175	G88
PFF0FX	1000	1000	0.75	1.25	75	4.25	22	2.50	1.0	1.0	10	30	47	19	-65	175	G88
2PFF2	200	200	0.9	2.0	30	9	45	2.65	2.0	2.0	10	30	26	12	-65	175	G83
2PFF4	400	400	0.9	2.0	30	9	45	2.65	2.0	2.0	10	30	26	12	-65	175	G83
2PFF6	600	600	0.9	2.0	30	9	45	2.65	2.0	2.0	10	30	26	12	-65	175	G83
2PFF8	800	800	0.9	2.0	75	9	45	2.65	2.0	2.0	10	30	26	12	-65	175	G83
2PFF0	1000	1000	0.9	2.0	75	9	45	2.65	2.0	2.0	10	30	26	12	-65	175	G83
2PFT05	50	50	1.4	2.6	25	15	50	0.97	2.0	1.0	10	45	47	19	-65	175	G88
2PFT1	100	100	1.4	2.6	25	15	50	0.97	2.0	1.0	10	45	47	19	-65	175	G88
2PFT15	150	150	1.4	2.6	25	15	50	0.97	2.0	1.0	10	45	47	19	-65	175	G88
2PFT2FX	200	200	1.4	2.6	25	15	50	0.97	2.0	1.0	10	45	47	19	-65	175	G88
3PFT05	50	50	1.9	4.0	30	25	90	1.05	3.5	1.0	10	92	26	12	-65	175	G83
3PFT1	100	100	1.9	4.0	30	25	90	1.05	3.5	1.0	10	92	26	12	-65	175	G83
3PFT15	150	150	1.9	4.0	30	25	90	1.05	3.5	1.0	10	92	26	12	-65	175	G83
3PFT2FX	200	200	1.9	4.0	30	25	90	1.05	3.5	1.0	10	92	26	12	-65	175	G83
IPFF4	400	400	1.1	1.7	50	13	27	1.05	1.0	1.0	10	20	60	—	-65	175	G89
2IPFF4	400	400	1.1	2.1	50	12	50	1.05	2.0	1.0	10	35	50	18	-65	175	G90

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Semtech:](#)

[JAN1N5809](#) [JAN1N5806](#) [JAN1N5804](#) [JAN1N5802](#) [JAN1N5807](#) [JAN1N5811](#)