

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 _{RRM}	I _F (AV)					T _r	I _{FRM}	I _{FSM}	V _F @ I _F		I _R @ V _{RRM}		θ _{J-L}		
	Volts	Volts	Amps		ns	Amps	Amps	Volts		μA		°C/W	°C/W	Min	Max		
			-pcb mtd	L=1/8"						25 C	100 C			C	C		

FAST RECOVERY DISCRETE RECTIFIERS

1N4942	200	200	1.0	2.0	150	6.0	25	1.2	1.0	0.5	25	27	3	7	-65	175	G2
1N4944	400	400	1.0	2.0	150	6.0	25	1.2	1.0	0.5	25	27	3	7	-65	175	G2
1N4946	600	600	1.0	2.0	250	6.0	25	1.2	1.0	0.5	25	27	3	7	-65	175	G2
1N4947	800	800	1.0	2.0	250	6.0	25	1.2	1.0	0.5	25	18	3	7	-65	175	G2
1N4948	1000	1000	1.0	2.0	500	6.0	25	1.2	1.0	0.5	25	18	3	7	-65	175	G2
1N5415	50	50	3.0	4.5	150	25	150	1.1	3.0	1.0	20	120	20	4	-65	175	G4
1N5416^F	100	100	3.0	4.5	150	25	150	1.1	3.0	1.0	20	120	20	4	-65	175	G4
1N5417^F	200	200	3.0	4.5	150	25	150	1.1	3.0	1.0	20	120	20	4	-65	175	G4
1N5418^F	400	400	3.0	4.5	150	25	150	1.1	3.0	1.0	20	120	20	4	-65	175	G4
1N5419^F	500	500	3.0	4.5	250	25	150	1.1	3.0	1.0	20	170	20	4	-65	175	G4
1N5420^F	600	600	3.0	4.5	400	25	150	1.1	3.0	1.0	20	170	20	4	-65	175	G4
1N5615^F	200	200	1.0	2.0	150	6.0	25	1.2	1.0	0.5	25	27	38	7	-65	175	G2
1N5617^F	400	400	1.0	2.0	150	6.0	25	1.2	1.0	0.5	25	27	38	7	-65	175	G2
1N5619^F	600	600	1.0	2.0	250	6.0	25	1.2	1.0	0.5	25	27	38	7	-65	175	G2
1N5621^F	800	800	1.0	2.0	300	6.0	25	1.2	1.0	0.5	25	18	38	7	-65	175	G2
1N5623^F	1000	1000	1.0	2.0	500	6.0	25	1.2	1.0	0.5	25	18	38	7	-65	175	G2
SFR0	1000	1000	0.8	1.6	150	6.0	25	1.5	1.0	1.0	25	20	38	14	-65	175	G2
S2F	200	200	1.0	2.0	150	6.0	25	1.2	1.0	0.5	25	27	38	7	-65	175	G2
S4F	400	400	1.0	2.0	150	6.0	25	1.2	1.0	0.5	25	27	38	7	-65	175	G2
S6F	600	600	1.0	2.0	250	6.0	25	1.2	1.0	0.5	25	27	38	7	-65	175	G2
S8F	800	800	1.0	2.0	300	6.0	25	1.2	1.0	0.5	25	18	38	7	-65	175	G2
S0F	1000	1000	1.0	2.0	500	6.0	25	1.2	1.0	0.5	25	18	38	7	-65	175	G2
3SFR0	1000	1000	1.3	3.25	150	15	80	1.5	3.0	1.0	80	80	20	4	-65	175	G4
3SF05	50	50	3.0	4.5	150	25	150	1.1	3.0	1.0	20	120	20	4	-65	175	G4
3SF1	100	100	3.0	4.5	150	25	150	1.1	3.0	1.0	20	120	20	4	-65	175	G4
3SF2	200	200	3.0	4.5	150	25	150	1.1	3.0	1.0	20	120	20	4	-65	175	G4
3SF4	400	400	3.0	4.5	150	25	150	1.1	3.0	1.0	20	120	20	4	-65	175	G4
3SF5	500	500	3.0	4.5	250	25	150	1.1	3.0	1.0	20	170	20	4	-65	175	G4
3SF6	600	600	3.0	4.5	400	25	150	1.1	3.0	1.0	20	170	20	4	-65	175	G4
PFR0	1000	1000	0.9	1.60	150	11	32	1.45	1.0	1.0	25	22	47	19	-65	175	G88
PF8	800	800	1.0	1.80	300	10	38	1.35	1.5	1.0	10	18	47	19	-65	175	G88
PF0 ^{FX}	1000	1000	1.0	1.80	300	10	38	1.35	1.5	1.0	10	18	47	19	-65	175	G88
3PFR0	1000	1000	1.2	2.70	150	21	70	1.50	2.0	5.0	25	70	26	12	-65	175	G83
3PF8	800	800	1.5	3.25	300	27	76	1.30	3.0	1.0	10	30	26	12	-65	175	G83
3PF0 ^{FX}	1000	1000	1.5	3.25	300	27	76	1.30	3.0	1.0	10	30	26	12	-65	175	G83

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.

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