

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 _{HRM}	I _F (AV)		T _{rr}	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=3/8"						25° C	100° C		3/8"	0"	Min	Max	
	Volts	Volts	Amps	Amps	ns	Amps	Amps	Volts	Amps	µA	µA	pF	C/W	C/W	C	C	

STANDARD RECOVERY HIGH VOLTAGE

1N3644A	1500	1500	0.26	0.6	2500	2.5	14	5.0	0.25	1.0	20	8.0	30	18	-65	175	G12
1N3645A	2000	2000	0.26	0.6	2500	2.5	14	5.0	0.25	1.0	20	8.0	30	18	-65	175	G12
1N3646A	2500	2500	0.26	0.6	2500	2.5	14	5.0	0.25	1.0	20	8.0	30	18	-65	175	G12
1N3647A,F	3000	3000	0.26	0.6	2500	2.5	14	5.0	0.25	1.0	20	8.0	30	18	-65	175	G12
SM20	2000	2000	0.26	0.6	2500	2.5	14	5.0	0.25	1.0	20	8.0	30	18	-65	175	G12
SM25	2500	2500	0.26	0.6	2500	2.5	14	5.0	0.25	1.0	20	8.0	30	18	-65	175	G12
SM30	3000	3000	0.26	0.6	2500	2.5	14	5.0	0.25	1.0	20	8.0	30	18	-65	175	G12
SM40	4000	4000	0.13	0.30	2500	1.0	25	10.0	0.10	1.0	20	3.2	28	20	-65	175	G43
SM50	5000	5000	0.13	0.30	2500	1.0	25	10.0	0.10	1.0	20	3.2	28	20	-65	175	G43
SM75	7500	7500	0.13	0.30	2500	1.0	25	10.0	0.10	1.0	20	3.2	28	20	-65	175	G43
SM100	10000	10000	0.13	0.30	2500	1.0	25	10.0	0.10	1.0	20	3.2	28	20	-65	175	G43
M20	2000	2000	0.175	0.33	2000	1.3	7	5.0	0.125	0.25	10	1.7	48	30	-65	175	G66
M30	3000	3000	0.175	0.33	2000	1.3	7	5.0	0.125	0.25	10	1.7	48	30	-65	175	G66
M50A	5000	5000	0.145	0.26	5000	1.0	5	6.0	0.05	0.25	10	1.6	40	26	-65	175	G10
M60A	6000	6000	0.145	0.26	5000	1.0	5	6.0	0.05	0.25	10	1.6	40	26	-65	175	G10

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.