



STANDARD 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		Package
	V_{RWM}	$I_o @ T_L$		I_{FSM}	I_R	I_{FM}	V_{FM}	
	V	A	°C	A	μA	A	V	

0.2 AMPERE STANDARD

R2500	2500	0.2	50	30	5.0	0.2	3.0	DO-15
R3000	3000		50	30	5.0	0.2	4.0	
R4000	4000		50	30	5.0	0.2	5.0	
R5000	5000		50	30	5.0	0.2	5.0	

0.5 ~ 1.0 AMPERE STANDARD

R1200	1200	0.5	50	30	5.0	0.5	2.00	DO-41
R1500	1500		50	30	5.0	0.5	2.00	
R1800	1800		50	30	5.0	0.5	2.00	
R2000	2000		50	30	5.0	0.5	3.00	
1N4001	50	1.0	75	30	5.0	1.0	1.10	
1N4002	100		75	30	5.0	1.0	1.10	
1N4003	200		75	30	5.0	1.0	1.10	
1N4004	400		75	30	5.0	1.0	1.10	
1N4005	600		75	30	5.0	1.0	1.10	
1N4006	800		75	30	5.0	1.0	1.10	
1N4007	1000		75	30	5.0	1.0	1.10	
1N4001GP	50		75	30	5.0	1.0	1.10	
1N4002GP	100		75	30	5.0	1.0	1.10	
1N4003GP	200		75	30	5.0	1.0	1.10	
1N4004GP	400		75	30	5.0	1.0	1.10	
1N4005GP	600		75	30	5.0	1.0	1.10	
1N4006GP	800		75	30	5.0	1.0	1.10	
1N4007GP	1000		75	30	5.0	1.0	1.10	

"GP" suffix signifies a glass passivated die

1.0 AMPERE STANDARD

RL101	50	1.0	75	30	5.0	1.0	1.10	A-405
RL102	100		75	30	5.0	1.0	1.10	
RL103	200		75	30	5.0	1.0	1.10	
RL104	400		75	30	5.0	1.0	1.10	
RL105	600		75	30	5.0	1.0	1.10	
RL106	800		75	30	5.0	1.0	1.10	
RL107	1000		75	30	5.0	1.0	1.10	
RL101GP	50		75	30	5.0	1.0	1.10	
RL102GP	100		75	30	5.0	1.0	1.10	
RL103GP	200		75	30	5.0	1.0	1.10	
RL104GP	400		75	30	5.0	1.0	1.10	
RL105GP	600		75	30	5.0	1.0	1.10	
RL106GP	800		75	30	5.0	1.0	1.10	
RL107GP	1000		75	30	5.0	1.0	1.10	

"GP" 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		Package
	V _{RWM}	I _o @ T _L		I _{FSM}	I _R	I _{FM}	V _{FM}	
	V	A	°C	A	μA	A	V	

1.0 AMPERE STANDARD

1A1	50	1.0	25	30	5.0	1.0	1.10	R-1
1A2	100		25	30	5.0	1.0	1.10	
1A3	200		25	30	5.0	1.0	1.10	
1A4	400		25	30	5.0	1.0	1.10	
1A5	600		25	30	5.0	1.0	1.10	
1A6	800		25	30	5.0	1.0	1.10	
1A7	1000		25	30	5.0	1.0	1.10	

1.5 ~ 2.0 AMPERE STANDARD

1N5391	50	1.5	70	50	5.0	1.5	1.10	DO-15
1N5392	100		70	50	5.0	1.5	1.10	
1N5393	200		70	50	5.0	1.5	1.10	
1N5394	300		70	50	5.0	1.5	1.10	
1N5395	400		70	50	5.0	1.5	1.10	
1N5396	500		70	50	5.0	1.5	1.10	
1N5397	600		70	50	5.0	1.5	1.10	
1N5398	800		70	50	5.0	1.5	1.10	
1N5399	1000		70	50	5.0	1.5	1.10	
1N5391GP	50		70	50	5.0	1.5	1.40	
1N5392GP	100	70	50	5.0	1.5	1.40		
1N5393GP	200	70	50	5.0	1.5	1.40		
1N5394GP	300	70	50	5.0	1.5	1.40		
1N5395GP	400	70	50	5.0	1.5	1.40		
1N5396GP	500	70	50	5.0	1.5	1.40		
1N5397GP	600	70	50	5.0	1.5	1.40		
1N5398GP	800	70	50	5.0	1.5	1.40		
1N5399GP	1000	70	50	5.0	1.5	1.40		
RL201	50	2.0	75	60	5.0	2.0	1.00	
RL202	100		75	60	5.0	2.0	1.00	
RL203	200		75	60	5.0	2.0	1.00	
RL204	400		75	60	5.0	2.0	1.00	
RL205	600		75	60	5.0	2.0	1.00	
RL206	800		75	60	5.0	2.0	1.00	
RL207	1000		75	60	5.0	2.0	1.00	
RL201GP	50	75	60	5.0	2.0	1.00		
RL202GP	100	75	60	5.0	2.0	1.00		
RL203GP	200	75	60	5.0	2.0	1.00		
RL204GP	400	75	60	5.0	2.0	1.00		
RL205GP	600	75	60	5.0	2.0	1.00		
RL206GP	800	75	60	5.0	2.0	1.00		
RL207GP	1000	75	60	5.0	2.0	1.00		

"GP" 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		Package
	V_{RWM}	$I_o @ T_L$		I_{FSM}	I_R	I_{FM}	V_{FM}	
	V	A	°C	A	μA	A	V	

2.5 AMPERE STANDARD



RL251	50	2.5	75	150	5.0	2.5	1.00	R-3
RL252	100		75	150	5.0	2.5	1.00	
RL253	200		75	150	5.0	2.5	1.00	
RL254	400		75	150	5.0	2.5	1.00	
RL255	600		75	150	5.0	2.5	1.00	
RL256	800		75	150	5.0	2.5	1.00	
RL257	1000		75	150	5.0	2.5	1.00	
RL251GP	50		55	70	5.0	2.5	1.10	
RL252GP	100		55	70	5.0	2.5	1.10	
RL253GP	200		55	70	5.0	2.5	1.10	
RL254GP	400		55	70	5.0	2.5	1.10	
RL255GP	600		55	70	5.0	2.5	1.10	
RL256GP	800		55	70	5.0	2.5	1.10	
RL257GP	1000		55	70	5.0	2.5	1.10	

"GP" suffix signifies a glass passivated die

3.0 AMPERE STANDARD



1N5400	50	3.0	105	200	5.0	3.0	1.0	DO-201AD
1N5401	100		105	200	5.0	3.0	1.0	
1N5402	200		105	200	5.0	3.0	1.0	
1N5404	400		105	200	5.0	3.0	1.0	
1N5406	600		105	200	5.0	3.0	1.0	
1N5407	800		105	200	5.0	3.0	1.0	
1N5408	1000		105	200	5.0	3.0	1.0	
1N5400GP	50		105	200	5.0	3.0	1.10	
1N5401GP	100		105	200	5.0	3.0	1.10	
1N5402GP	200		105	200	5.0	3.0	1.10	
1N5404GP	400		105	200	5.0	3.0	1.10	
1N5406GP	600		105	200	5.0	3.0	1.10	
1N5407GP	800		105	200	5.0	3.0	1.10	
1N5408GP	1000		105	200	5.0	3.0	1.10	

6.0 AMPERE STANDARD

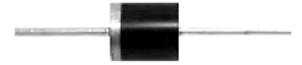


6A05	50	6.0	60	400	5.0	6.0	1.0	R-6
6A1	100		60	400	5.0	6.0	1.0	
6A2	200		60	400	5.0	6.0	1.0	
6A4	400		60	400	5.0	6.0	1.0	
6A6	600		60	400	5.0	6.0	1.0	
6A8	800		60	400	5.0	6.0	1.0	
6A10	1000		60	400	5.0	6.0	1.0	
6A05G	50		75	400	10.0	6.0	1.0	
6A1G	100		75	400	10.0	6.0	1.0	
6A2G	200		75	400	10.0	6.0	1.0	
6A4G	400		75	400	10.0	6.0	1.0	
6A6G	600		75	400	10.0	6.0	1.0	
6A8G	800		75	400	10.0	6.0	1.0	
6A10G	1000		75	400	10.0	6.0	1.0	

"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		Package
	V_{RWM}	$I_O @ T_L$		I_{FSM}	I_R	I_{FM}	V_{FM}	
	V	A	°C	A	μA	A	V	



10 AMPERE STANDARD

Part Number	Working Peak Reverse Voltage	Average Forward Current	Temperature	Forward Peak Surge Current	Maximum Reverse Current	Maximum Forward Current	Maximum Forward Voltage	Package
10A01	50	10	50	400	10.0	10.0	1.00	
10A02	100		50	400	10.0	10.0	1.00	
10A03	200		50	400	10.0	10.0	1.00	
10A04	400		50	400	10.0	10.0	1.00	
10A05	600		50	400	10.0	10.0	1.00	
10A06	800		50	400	10.0	10.0	1.00	
10A07	1000		50	400	10.0	10.0	1.00	



25 ~ 50 AMPERE STANDARD

Part Number	Working Peak Reverse Voltage	Average Forward Current	Temperature	Forward Peak Surge Current	Maximum Reverse Current	Maximum Forward Current	Maximum Forward Voltage	Package
PF251	50	25	25	400	400	25	1.00	PRESSFIT
PF252	100		25	400	400	25	1.00	
PF253	200		25	400	400	25	1.00	
PF254	400		25	400	400	25	1.00	
PF255	600		25	400	400	25	1.00	
PF351	50	35	125	600	1.0	35	1.00	
PF352	100		125	600	1.0	35	1.00	
PF353	200		125	600	1.0	35	1.00	
PF354	400		125	600	1.0	35	1.00	
PF355	600		125	600	1.0	35	1.00	
PF501	50	50	125	6	1.0	50	1.00	
PF502	100		125	650	1.0	50	1.00	
PF503	200		125	650	1.0	50	1.00	
PF504	400		125	650	1.0	50	1.00	
PF505	600		125	650	1.0	50	1.00	

*Note: for positive terminal part number is as shown.



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		Package
	V_{RWM}	$I_o @ T_L$		I_{FSM}	I_R	I_{FM}	V_{FM}	
	V	A	°C	A	μA	A	V	



1.0 AMPERE STANDARD

SM4001PL	50	1.0	75	30	5.0	1.0	1.1	SOD-123FL
SM4002PL	100		75	30	5.0	1.0	1.1	
SM4003PL	200		75	30	5.0	1.0	1.1	
SM4004PL	400		75	30	5.0	1.0	1.1	
SM4005PL	600		75	30	5.0	1.0	1.1	
SM4006PL	800		75	30	5.0	1.0	1.1	
SM4007PL	1000		75	30	5.0	1.0	1.1	



1.0 AMPERE STANDARD

GS1AE	50	1.0	75	30	10	1.0	1.1	SMAE
GS1BE	100		75	30	10	1.0	1.1	
GS1DE	200		75	30	10	1.0	1.1	
GS1GE	400		75	30	10	1.0	1.1	
GS1JE	600		75	30	10	1.0	1.1	
GS1KE	800		75	30	10	1.0	1.1	
GS1ME	1000		75	30	10	1.0	1.1	



1.0 AMPERE STANDARD

GS1A	50	1.0	75	30	10.0	1.0	1.10	SMA DO-214AC
GS1B	100		75	30	10.0	1.0	1.10	
GS1D	200		75	30	10.0	1.0	1.10	
GS1G	400		75	30	10.0	1.0	1.10	
GS1J	600		75	30	10.0	1.0	1.10	
GS1K	800		75	30	10.0	1.0	1.10	
GS1M	1000		75	30	10.0	1.0	1.10	

*Note: Also can be made for Lead Frame Package



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		Package
	V_{RWM}	$I_o @ T_L$		I_{FSM}	I_R	I_{FM}	V_{FM}	
	V	A	°C	A	μA	A	V	



2.0 AMPERE STANDARD

GS2A	50	2.0	75	50	10.0	2.0	1.10	SMB DO-214AA
GS2B	100		75	50	10.0	2.0	1.10	
GS2D	200		75	50	10.0	2.0	1.10	
GS2G	400		75	50	10.0	2.0	1.10	
GS2J	600		75	50	10.0	2.0	1.10	
GS2K	800		75	50	10.0	2.0	1.10	
GS2M	1000		75	50	10.0	2.0	1.10	



3.0~6.0 AMPERE STANDARD

S3A	50	3.0	120	100	10.0	3.0	1.20	SMC DO-214AB
S3B	100		120	100	10.0	3.0	1.20	
S3D	200		120	100	10.0	3.0	1.20	
S3G	400		120	100	10.0	3.0	1.20	
S3J	600		120	100	10.0	3.0	1.20	
S3K	800		120	100	10.0	3.0	1.20	
S3M	1000		120	100	10.0	3.0	1.20	
S5AL	50	5.0	75	100	10.0	5.0	1.20	
S5BL	100		75	100	10.0	5.0	1.20	
S5DL	200		75	100	10.0	5.0	1.20	
S5GL	400		75	100	10.0	5.0	1.20	
S5JL	600		75	100	10.0	5.0	1.20	
S5KL	800		75	100	10.0	5.0	1.20	
S5ML	1000	75	100	10.0	5.0	1.20		
SMLJ60S05	50	6.0	100	200	5.0	6.0	1.0	
SMLJ60S1	100		100	200	5.0	6.0	1.0	
SMLJ60S2	200		100	200	5.0	6.0	1.0	
SMLJ60S4	400		100	200	5.0	6.0	1.0	
SMLJ60S6	600		100	200	5.0	6.0	1.0	
SMLJ60S8	800		100	200	5.0	6.0	1.0	
SMLJ60S10	1000		100	200	5.0	6.0	1.0	



8.0 AMPERE STANDARD

GPA801DT	50	8.0	100	150	5.0	8.0	1.1	D2-PACK
GPA802DT	100		100	150	5.0	8.0	1.1	
GPA803DT	200		100	150	5.0	8.0	1.1	
GPA804DT	400		100	150	5.0	8.0	1.1	
GPA805DT	600		100	150	5.0	8.0	1.1	
GPA806DT	800		100	150	5.0	8.0	1.1	
GPA807DT	1000		100	150	5.0	8.0	1.1	



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		Package
	V_{RWM}	$I_o @ T_L$		I_{FSM}	I_R	I_{FM}	V_{FM}	
	V	A	°C	A	μA	A	V	

25 ~ 50 AMPERE STANDARD

RA251	50	25	150	400	5.0	25	1.10	RA BUTTON
RA252	100		150	400	5.0	25	1.10	
RA253	200		150	400	5.0	25	1.10	
RA254	400		150	400	5.0	25	1.10	
RA255	600		150	400	5.0	25	1.10	
RA256	800		150	400	5.0	25	1.10	
RA257	1000		150	400	5.0	25	1.10	
RA351	50	35	150	500	5.0	35	1.00	
RA352	100		150	500	5.0	35	1.00	
RA353	200		150	500	5.0	35	1.00	
RA354	400		150	500	5.0	35	1.00	
RA355	600		150	500	5.0	35	1.00	
RA356	800		150	500	5.0	35	1.00	
RA357	1000		150	500	5.0	35	1.00	
RA501	50	50	135	500	5.0	50	1.10	
RA502	100		135	500	5.0	50	1.10	
RA503	200		135	500	5.0	50	1.10	
RA504	400		135	500	5.0	50	1.10	
RA505	600		135	500	5.0	50	1.10	
RA506	800		135	500	5.0	50	1.10	
RA507	1000		135	500	5.0	50	1.10	

25 ~ 50 AMPERE STANDARD

SRA251	50	25	150	400	25	25	1.10	SRA BUTTON
SRA252	100		150	400	25	25	1.10	
SRA253	200		150	400	25	25	1.10	
SRA254	400		150	400	25	25	1.10	
SRA255	600		150	400	25	25	1.10	
SRA256	800		150	400	25	25	1.10	
SRA257	1000		150	400	25	25	1.10	
SRA351	50	35	55	500	10.0	35	1.00	
SRA352	100		55	500	10.0	35	1.00	
SRA353	200		55	500	10.0	35	1.00	
SRA354	400		55	500	10.0	35	1.00	
SRA355	600		55	500	10.0	35	1.00	
SRA356	800		55	500	10.0	35	1.00	
SRA357	1000		55	500	10.0	35	1.00	
SRA501	50	50	55	500	10.0	25	1.00	
SRA502	100		55	500	10.0	25	1.00	
SRA503	200		55	500	10.0	25	1.00	
SRA504	400		55	500	10.0	25	1.00	
SRA505	600		55	500	10.0	25	1.00	
SRA506	800		55	500	10.0	25	1.00	
SRA507	1000		55	500	10.0	25	1.00	