



SENSITRON SEMICONDUCTOR

SILICON RECTIFIERS

OPERATING AND STORAGE TEMPERATURE -65°C TO +175°C

TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @Half-Wave Resistive Load 60Hz		Maximum Forward Peak Surge Current @8.3ms Superimposed	Maximum Reverse Current @PRV @25°C T _A	Maximum Forward Voltage @25°C T _A	
	PRV	I _O @ T _A		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}
	V _{PK}	A _{AV}	°C	A _{PK}	μA _{dc}	A _{PK}	V _{PK}

1.0 AMPERE / R-1

1A1	50	1.0	25	25	5.0	1.0	1.1
1A2	100	1.0	25	25	5.0	1.0	1.1
1A3	200	1.0	25	25	5.0	1.0	1.1
1A4	400	1.0	25	25	5.0	1.0	1.1
1A5	600	1.0	25	25	5.0	1.0	1.1
1A6	800	1.0	25	25	5.0	1.0	1.1
1A7	1000	1.0	25	25	5.0	1.0	1.1

1.0 AMPERE / A-405

RL101	50	1.0	75	30	5.0	1.0	1.1
RL102	100	1.0	75	30	5.0	1.0	1.1
RL103	200	1.0	75	30	5.0	1.0	1.1
RL104	400	1.0	75	30	5.0	1.0	1.1
RL105	600	1.0	75	30	5.0	1.0	1.1
RL106	800	1.0	75	30	5.0	1.0	1.1
RL107	1000	1.0	75	30	5.0	1.0	1.1

1.0 AMPERE / A-405

1N4001S	50	1.0	75	30	5.0	1.0	1.1
1N4002S	100	1.0	75	30	5.0	1.0	1.1
1N4003S	200	1.0	75	30	5.0	1.0	1.1
1N4004S	400	1.0	75	30	5.0	1.0	1.1
1N4005S	600	1.0	75	30	5.0	1.0	1.1
1N4006S	800	1.0	75	30	5.0	1.0	1.1
1N4007S	1000	1.0	75	30	5.0	1.0	1.1

1.0 AMPERE / DO-41

1N4001	50	1.0	75	30	5.0	1.0	1.1
1N4002	100	1.0	75	30	5.0	1.0	1.1
1N4003	200	1.0	75	30	5.0	1.0	1.1
1N4004	400	1.0	75	30	5.0	1.0	1.1
1N4005	600	1.0	75	30	5.0	1.0	1.1
1N4006	800	1.0	75	30	5.0	1.0	1.1
1N4007	1000	1.0	75	30	5.0	1.0	1.1
BY133	1300	1.0	75	30	5.0	1.0	1.1
EM513	1600	1.0	75	30	5.0	1.0	1.1
EM516	1800	1.0	75	30	5.0	1.0	1.1
EM520	2000	1.0	75	30	5.0	1.0	1.1

1.0 AMPERE / SMA (DO-214AC)

M1/GS1A	50	1.0	55	30	5.0	1.0	1.1
M2/GS1B	100	1.0	55	30	5.0	1.0	1.1
M3/GS1D	200	1.0	55	30	5.0	1.0	1.1
M4/GS1G	400	1.0	55	30	5.0	1.0	1.1
M5/GS1J	600	1.0	55	30	5.0	1.0	1.1
M6/GS1K	800	1.0	55	30	5.0	1.0	1.1
M7/GS1M	1000	1.0	55	30	5.0	1.0	1.1



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	PRV	I _O @ T _A		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}
	V _{PK}	A _{AV}	°C	A _{PK}	μAdc	A _{PK}	V _{PK}

1.0 AMPERE / SMB (DO-214AA)



S1A	50	1.0	55	30	5.0	1.0	1.1
S1B	100	1.0	55	30	5.0	1.0	1.1
S1D	200	1.0	55	30	5.0	1.0	1.1
S1G	400	1.0	55	30	5.0	1.0	1.1
S1J	600	1.0	55	30	5.0	1.0	1.1
S1K	800	1.0	55	30	5.0	1.0	1.1
S1M	1000	1.0	55	30	5.0	1.0	1.1

1.5 AMPERE / DO-15



1N5391	50	1.5	70	50	5.0	1.5	1.4
1N5392	100	1.5	70	50	5.0	1.5	1.4
1N5393	200	1.5	70	50	5.0	1.5	1.4
1N5394	300	1.5	70	50	5.0	1.5	1.4
1N5395	400	1.5	70	50	5.0	1.5	1.4
1N5396	500	1.5	70	50	5.0	1.5	1.4
1N5397	600	1.5	70	50	5.0	1.5	1.4
1N5398	800	1.5	70	50	5.0	1.5	1.4
1N5399	1000	1.5	70	50	5.0	1.5	1.4

2.0 AMPERE / DO-15



RL201	50	2.0	75	70	5.0	2.0	1.0
RL202	100	2.0	75	70	5.0	2.0	1.0
RL203	200	2.0	75	70	5.0	2.0	1.0
RL204	400	2.0	75	70	5.0	2.0	1.0
RL205	600	2.0	75	70	5.0	2.0	1.0
RL206	800	2.0	75	70	5.0	2.0	1.0
RL207	1000	2.0	75	70	5.0	2.0	1.0

2.0 AMPERE / SMB (DO-214AA)



S2A	50	2.0	55	50	5.0	2.0	1.1
S2B	100	2.0	55	50	5.0	2.0	1.1
S2D	200	2.0	55	50	5.0	2.0	1.1
S2G	400	2.0	55	50	5.0	2.0	1.1
S2J	600	2.0	55	50	5.0	2.0	1.1
S2K	800	2.0	55	50	5.0	2.0	1.1
S2M	1000	2.0	55	50	5.0	2.0	1.1

3.0 AMPERE / SMC (DO-214AB)



S3A	50	3.0	75	100	10	3.0	1.2
S3B	100	3.0	75	100	10	3.0	1.2
S3D	200	3.0	75	100	10	3.0	1.2
S3G	400	3.0	75	100	10	3.0	1.2
S3J	600	3.0	75	100	10	3.0	1.2
S3K	800	3.0	75	100	10	3.0	1.2
S3M	1000	3.0	75	100	10	3.0	1.2



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	PRV	I _O @ T _A		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}
	V _{PK}	A _{AV}	°C	A _{PK}	μAdc	A _{PK}	V _{PK}

3.0 AMPERE / DO-27

1N5400	50	3.0	75	200	5.0	3.0	1.2
1N5401	100	3.0	75	200	5.0	3.0	1.2
1N5402	200	3.0	75	200	5.0	3.0	1.2
1N5403	300	3.0	75	200	5.0	3.0	1.2
1N5404	400	3.0	75	200	5.0	3.0	1.2
1N5405	500	3.0	75	200	5.0	3.0	1.2
1N5406	600	3.0	75	200	5.0	3.0	1.2
1N5407	800	3.0	75	200	5.0	3.0	1.2
1N5408	1000	3.0	75	200	5.0	3.0	1.2
BY251	200	3.0	75	200	5.0	3.0	1.2
BY252	400	3.0	75	200	5.0	3.0	1.2
BY253	600	3.0	75	200	5.0	3.0	1.2
BY254	800	3.0	75	200	5.0	3.0	1.2
BY255	1300	3.0	75	200	5.0	3.0	1.2

6.0 AMPERE / R-6M

6A05M	50	6.0	60	300	10	6.0	0.95
6A1M	100	6.0	60	300	10	6.0	0.95
6A2M	200	6.0	60	300	10	6.0	0.95
6A4M	400	6.0	60	300	10	6.0	0.95
6A6M	600	6.0	60	300	10	6.0	0.95
6A8M	800	6.0	60	300	10	6.0	0.95
6A10M	1000	6.0	60	300	10	6.0	0.95

6.0 AMPERE / R-6

6A05	50	6.0	60	400	10	6.0	0.95
6A1	100	6.0	60	400	10	6.0	0.95
6A2	200	6.0	60	400	10	6.0	0.95
6A4	400	6.0	60	400	10	6.0	0.95
6A6	600	6.0	60	400	10	6.0	0.95
6A8	800	6.0	60	400	10	6.0	0.95
6A10	1000	6.0	60	400	10	6.0	0.95
P600A	50	6.0	60	400	10	6.0	0.95
P600B	100	6.0	60	400	10	6.0	0.95
P600D	200	6.0	60	400	10	6.0	0.95
P600G	400	6.0	60	400	10	6.0	0.95
P600J	600	6.0	60	400	10	6.0	0.95
P600K	800	6.0	60	400	10	6.0	0.95
P600M	1000	6.0	60	400	10	6.0	0.95