

CURRENT LIMITER JAN, JANTX & JANTXV 1N5283-1 Thru 1N5314-1

PART NUMBER	REGULATOR CURRENT Ip (mA) @ Vs = 25V			MIN REGULATOR IMPEDANCE Zs @ Vs = 25 V (M OHM)	MIN KNEE IMPEDANCE Zk @ Vk = 6V (M OHM)	MAX LIMITING VOLTAGE VL @ IL = 0.8 Ip (MIN) (VOLTS)	REGULATOR CURRENT Ip (mA) @ Vs = 100V MAX
	NOM	MIN	MAX				
1N5283-1	0.22	0.198	0.242	25.00	2.750	1.00	.27
1N5284-1	0.24	0.216	0.264	19.00	2.350	1.00	.30
1N5285-1	0.27	0.243	0.297	14.00	1.950	1.00	.33
1N5286-1	0.30	0.270	0.330	9.00	1.600	1.00	.36
1N5287-1	0.33	0.297	0.363	6.60	1.350	1.00	.40
1N5288-1	0.39	0.351	0.429	4.10	1.000	1.05	.47
1N5289-1	0.43	0.387	0.473	3.30	0.870	1.05	.52
1N5290-1	0.47	0.423	0.517	2.70	0.750	1.05	.57
1N5291-1	0.56	0.504	0.616	1.90	0.560	1.10	.68
1N5292-1	0.62	0.558	0.682	1.55	0.470	1.13	.75
1N5293-1	0.68	0.612	0.748	1.35	0.400	1.15	.82
1N5294-1	0.75	0.675	0.825	1.15	0.335	1.20	.91
1N5295-1	0.82	0.738	0.902	1.00	0.290	1.25	.99
1N5296-1	0.91	0.819	1.001	0.88	0.240	1.29	1.10
1N5297-1	1.00	0.900	1.100	0.80	0.205	1.35	1.21
1N5298-1	1.10	0.990	1.210	0.70	0.180	1.40	1.33
1N5299-1	1.20	1.080	1.320	0.640	0.155	1.45	1.45
1N5300-1	1.30	1.170	1.430	0.580	0.135	1.50	1.57
1N5301-1	1.40	1.260	1.540	0.540	0.115	1.55	1.69
1N5302-1	1.50	1.350	1.650	0.510	0.105	1.60	1.81
1N5303-1	1.60	1.440	1.760	0.475	0.092	1.65	1.92
1N5304-1	1.80	1.620	1.980	0.420	0.074	1.75	2.18
1N5305-1	2.00	1.800	2.200	0.395	0.061	1.85	2.42
1N5306-1	2.20	1.980	2.420	0.370	0.052	1.95	2.66
1N5307-1	2.40	2.160	2.640	0.345	0.044	2.00	2.90
1N5308-1	2.70	2.430	2.970	0.320	0.035	2.15	3.27
1N5309-1	3.00	2.700	3.300	0.300	0.029	2.25	3.63
1N5310-1	3.30	2.970	3.630	0.280	0.024	2.35	3.99
1N5311-1	3.60	3.240	3.960	0.265	0.020	2.50	4.36
1N5312-1	3.90	3.510	4.290	0.255	0.017	2.60	4.72
1N5313-1	4.30	3.870	4.730	0.245	0.014	2.75	5.20
1N5314-1	4.70	4.230	5.170	0.235	0.012	2.90	5.69

Package Style	DO-7
DC Power Dissipation	500 mW
Peak Operating Voltage	100 V
Operating Temperature (Topr)	-65 to + 175°C
Storage Temperature (Tstg)	-65 to + 175° C
Reverse Voltage VR @ IR = 200 mA	2.5 Volts Max
Thermal Impedance (ZθJX)	25°C/W Max

Note: Ip test condition: t=90s or thermal equilibrium· TL = 30°C ±3°C

Manufactured in accordance with MIL-PRF-19500/463