

CURRENT REGULATOR & LIMITER DIODES
1N5283 - 1N5314

TYPE NUMBER	REGULATOR CURRENT Ip (mA) @, Vs =25V			MIN REGULATOR IMPEDANCE Zs @ Vs = 25 V	MIN KNEE IMPEDANCE Zk @ Vk = 6V	MAX LIMITING VOLTAGE VL @ IL = 0.8 Ip
	NOM	MIN	MAX	(M OHM)	(M OHM)	(VOLTS)
1N5283	0.22	0.198	0.242	25.00	2.750	1.00
1N5284	0.24	0.216	0.264	19.00	2.350	1.00
1N5285	0.27	0.243	0.297	14.00	1.950	1.00
1N5286	0.30	0.270	0.330	9.00	1.600	1.00
1N5287	0.33	0.297	0.363	6.60	1.350	1.00
1N5288	0.39	0.351	0.429	4.10	1.000	1.05
1N5289	0.43	0.387	0.473	3.30	0.870	1.05
1N5290	0.47	0.423	0.517	2.70	0.750	1.05
1N5291	0.56	0.504	0.616	1.90	0.560	1.10
1N5292	0.62	0.558	0.682	1.55	0.470	1.13
1N5293	0.68	0.612	0.748	1.35	0.400	1.15
1N5294	0.75	0.675	0.825	1.15	0.335	1.20
1N5295	0.82	0.738	0.902	1.00	0.290	1.25
1N5296	0.91	0.819	1.001	0.88	0.240	1.29
1N5297	1.00	0.900	1.100	0.80	0.205	1.35
1N5298	1.10	0.990	1.210	0.70	0.180	1.40
1N5299	1.20	1.080	1.320	0.640	0.155	1.45
1N5300	1.30	1.170	1.430	0.580	0.135	1.50
1N5301	1.-10	1.260	1.540	0.540	0.115	1.55
1N5302	1.50	1.350	1.650	0.510	0.105	1.60
1N5303	1.60	1.440	1.760	0.475	0.092	1.65
1N5304	1.80	1.620	1.980	0.420	0.074	1.75
1N5305	2.00	1.800	2.200	0.395	0.061	1.85
1N5306	2.20	1.980	2.420	0.370	0.052	1.95
1N5307	2.40	2.160	2.640	0.345	0.044	2.00
1N5308	2.70	2.430	2.970	0.320	0.035	2.15
1N5309	3.00	2.700	3.300	0.300	0.029	2.25
1N5310	3.30	2.970	3.630	0.280	0.024	2.35
1N5311	3.60	3.240	3.960	0.265	0.020	2.50
1N5312	3.90	3.510	4.290	0.255	0.017	2.60
1N5313	4.30	3.870	4.730	0.245	0.014	2.75
1N5314	4.70	4.230	5.170	0.235	0.012	2.90

MAXIMUM RATINGS:

Standard Package Style
SMD Package Style
DC Power Dissipation
Peak Operating Voltage
Operating Temperature (Topr)
Storage Temperature (Tstg)

DO-7 & DO35
Melf = Add SM to part number
500 mW (DO-7)
100 V
-55 to +175°C
-55 to +175°C