

1N5283 THRU 1N5314

CURRENT LIMITING DIODE

JEDEC DO-35 CASE

MAXIMUM RATINGS ($T_L = 75^\circ\text{C}$)

Peak Operating Voltage
Power Dissipation
Operating and Storage Junction Temperature

SYMBOL

POV 100
P_D 600
T_J, T_{STG} -65 TO +200

UNIT

V
mW
°C

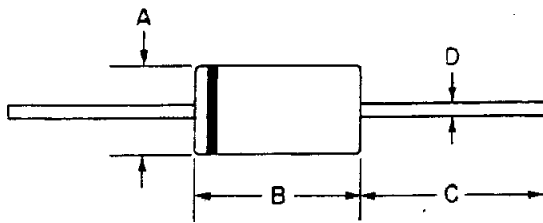
ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$)

TYPE NO.	REGULATOR CURRENT ⁽¹⁾			DYNAMIC IMPEDANCE	KNEE IMPEDANCE	LIMITING VOLTAGE
	I _p @ V _T = 25V			Z _T @ V _T = 25V	Z _K @ V _K = 6.0V	V _L @ I _L = 0.8 I _p MIN
	mA			M Ω	M Ω	V
	MIN	NOM	MAX	MIN	MIN	MAX
1N5283	0.198	0.22	0.242	25.	2.75	1.00
1N5284	0.216	0.24	0.264	19.	2.35	1.00
1N5285	0.243	0.27	0.297	14.	1.95	1.00
1N5286	0.270	0.30	0.330	9.0	1.60	1.00
1N5287	0.297	0.33	0.363	6.6	1.35	1.00
1N5288	0.351	0.39	0.429	4.10	1.00	1.05
1N5289	0.387	0.43	0.473	3.30	0.870	1.05
1N5290	0.423	0.47	0.517	2.70	0.750	1.05
1N5291	0.504	0.56	0.616	1.90	0.560	1.10
1N5292	0.558	0.62	0.682	1.55	0.470	1.13
1N5293	0.612	0.68	0.748	1.35	0.400	1.15
1N5294	0.675	0.75	0.825	1.15	0.335	1.20
1N5295	0.738	0.82	0.902	1.00	0.290	1.25
1N5296	0.819	0.91	1.001	0.880	0.240	1.29
1N5297	0.900	1.00	1.10	0.800	0.205	1.35
1N5298	0.990	1.10	1.21	0.700	0.180	1.40
1N5299	1.08	1.20	1.32	0.640	0.155	1.45
1N5300	1.17	1.30	1.43	0.580	0.135	1.50
1N5301	1.26	1.40	1.54	0.540	0.115	1.55
1N5302	1.35	1.50	1.65	0.510	0.105	1.60
1N5303	1.44	1.60	1.76	0.475	0.092	1.65
1N5304	1.62	1.80	1.98	0.420	0.074	1.75
1N5305	1.80	2.00	2.20	0.395	0.061	1.85
1N5306	1.98	2.20	2.42	0.370	0.052	1.95
1N5307	2.16	2.40	2.64	0.345	0.044	2.00
1N5308	2.43	2.70	2.97	0.320	0.035	2.15
1N5309	2.70	3.00	3.30	0.300	0.029	2.25
1N5310	2.97	3.30	3.63	0.290	0.024	2.35
1N5311	3.24	3.60	3.96	0.265	0.020	2.50
1N5312	3.51	3.90	4.29	0.255	0.017	2.60
1N5313	3.87	4.30	4.73	0.245	0.014	2.75
1N5314	4.23	4.70	5.17	0.235	0.012	2.90

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Quality Semi-Conductors





DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	.060	.080	1.52	2.03
B	.140	.160	3.60	4.10
C	1.0	—	25.4	—
D	.018	.022	0.46	0.56

HERMETICALLY SEALED GLASS CASE WITH TINNED COPPER LEADS