INTERNATIONAL SEMICONDUCTOR, INC.

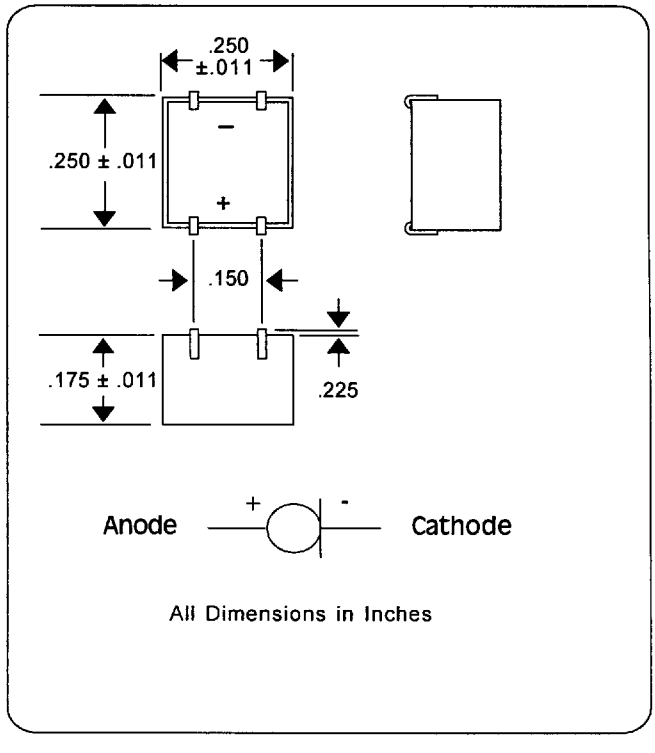
CURRENT REGULATOR DIODES

SM5283 thru SM5314

High Source Impedance
Standard Tolerance = ±10%
Tighter Tolerances Available
Constant Current Over Wide Voltage Range
Temperature Coefficient = -0.25~-0.45 %/°C
(Measured between 25°C and 50°C

Part Number	I_P mA Nom.	V_K V Max.	Z_T Min K Ohm	Z_K Min K Ohm	POV V Max.
SM5283	0.22	1.00	25.0	2.750	100
SM5284	0.24	1.00	19.0	2.350	100
SM5285	0.27	1.00	14.0	1.950	100
SM5286	0.30	1.00	9.0	1.600	100
SM5287	0.33	1.00	6.6	1.350	100
SM5288	0.39	1.05	4.10	1.000	100
SM5289	0.43	1.05	3.30	0.870	100
SM5290	0.47	1.05	2.70	0.750	100
SM5291	0.56	1.10	1.90	0.560	100
SM5292	0.62	1.13	1.55	0.470	100
SM5293	0.68	1.15	1.35	0.400	100
SM5294	0.75	1.20	1.15	0.335	100
SM5295	0.82	1.25	1.00	0.290	100
SM5296	0.91	1.29	0.880	0.240	100
SM5297	1.00	1.35	0.800	0.205	100
SM5298	1.10	1.40	0.700	0.180	100
SM5299	1.20	1.45	0.640	0.155	100
SM5300	1.30	1.50	0.580	0.0.135	100
SM5301	1.40	1.55	0.540	0.115	100
SM5302	1.50	1.60	0.510	0.105	100
SM5303	1.60	1.65	0.475	0.092	100
SM5304	1.80	1.75	0.420	0.074	100
SM5305	2.00	1.85	0.395	0.061	100
SM5306	2.20	1.95	0.370	0.052	100
SM5307	2.40	2.00	0.345	0.044	100
SM5308	2.70	2.15	0.320	0.035	100
SM5309	3.00	2.25	0.300	0.029	100
SM5310	3.30	2.35	0.280	0.024	100
SM5311	3.60	2.50	0.265	0.020	100
SM5312	3.90	2.60	0.255	0.017	100
SM5313	4.30	2.75	0.245	0.014	100
SM5314	4.70	2.90	0.235	0.012	100

I_P = Pinch-Off Current: measured by pulse at 25°C
V_K = Voltage which produces 0.81 I_P or greater current
Z_T = Minimum AC Impedance when small AC signal voltage of 10 KHz is added to 25 Volt DC bias.
Z_K = Minimum knee impedance when the small AC signal voltage is added to V_K.



All Dimensions in Inches

Glass Diodes encapsulated in liquid polymer case.
Case meets MIL-M-24519C, Type GLPC-30 F.
Case meets flammability requirements of UL 94V-O.
J Leads are beryllium copper, 60/40 tin-lead plated per MIL-P-81728.

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