Current Limiting Diodes

SOD-80 Case

MAXIMUM RATINGS (T_L = 75°C)	**SYMBOL**		**UNITS**
Peak Operating Voltage	POV	100	V
Power Dissipation	P_D	800	mW
Operation and Storage Junction Temperature	T_J,T_{stg}	-65 to + 200	°C

ELECTRICAL CHARACTERISTICS (T_A = 25°C)

TYPE NO.	**REGULATOR CURRENT (1) I_P@V_T=25V (mA)**			**DYNAMIC IMPEDANCE Z_T@V_T=25V (MΩ)**	**KNEE IMPEDANCE Z_K@V_K=6.0V (MΩ)**	**LIMITING VOLTAGE V_L@I_L=0.8 I_P MIN (V)**
	MIN	**NOM**	**MAX**	**MIN**	**MIN**	**MAX**
CCLM0035	0.010	0.035	0.060	8.0	4.00	0.4
CCLM0130	0.050	0.130	0.210	6.0	2.00	0.6
CCLM0300	0.200	0.310	0.420	4.0	1.00	0.8
CCLM0500	0.400	0.515	0.630	2.0	0.50	1.1
CCLM0750	0.600	0.760	0.920	1.0	0.20	1.4
CCLM1000	0.880	1.100	1.320	0.65	0.10	1.7
CCLM1500	1.280	1.500	1.720	0.45	0.07	2.0
CCLM2000	1.680	2.000	2.320	0.35	0.05	2.3
CCLM2700	2.280	2.690	3.100	0.30	0.03	2.7
CCLM3500	3.000	3.550	4.100	0.25	0.02	3.2
CCLM4500	3.900	4.500	5.100	0.20	0.01	3.7
CCLM5750	5.000	5.750	6.500	0.05	0.005	4.5

* The Temperature Coefficient is measured between the following points: +25°C, +50°C

(1) TESTED USING THE PULSED METHOD. $\left(\text{PULSE WIDTH (ms)} = \frac{27.5}{I_P \text{ NOM (mA)}}\right)$

High Current, Current Limiting Diodes

SOD-80 Case

MAXIMUM RATINGS (T_L = 75°C)	**SYMBOL**		**UNITS**
Peak Operating Voltage	POV	50	V
Power Dissipation	P_D	800	mW
Operation and Storage Junction Temperature	T_J,T_{stg}	-65 to + 200	°C

ELECTRICAL CHARACTERISTICS (T_A = 25°C)

TYPE NO.	**REGULATOR CURRENT (1) I_P@V_T=25V (mA)**			**DYNAMIC IMPEDANCE Z_T@V_T=25V (MΩ)**	**KNEE IMPEDANCE Z_K@V_K=6.0V (KΩ)**	**LIMITING VOLTAGE V_L@I_L=0.8 I_PMIN (V)**
	MIN	**NOM**	**MAX**	**MIN**	**MIN**	**MAX**
CCLHM080	6.56	8.2	9.84	0.32	15	3.1
CCLHM100	8.00	10	12	0.17	6.0	3.5
CCLHM120	9.60	12	14.4	0.08	3.0	3.8
CCLHM150	12	15	18	0.03	2.0	4.3

* The Temperature Coefficient is measured between the following points: +25°C, +50°C

(1) TESTED USING THE PULSED METHOD. $\left(\text{PULSE WIDTH (ms)} = \frac{27.5}{I_P\text{NOM (mA)}}\right)$