

KNOX SEMICONDUCTOR, INC.

CURRENT REGULATOR SERIES FIELD EFFECT DIODES CIL 250-257 -- CIL 1300-1305

Supporting commercial and industrial requirements the CIL 250 and CIL 1300 series are available in a DO-7 glass package. The series provides a constant current over a wide voltage range, high source impedance and may be parallel connected providing higher current capabilities.

TYPE NUMBER	REGULATOR CURRENT Ip (mA) @ VT = 25V			MIN REGULATOR IMPEDANCE Zs @ Vs = 25 V (K OHM)	MIN KNEE IMPEDANCE Zk @ Vk = 6V (K OHM)	MAX LIMITING VOLTAGE VL (VOLTS)	MIN POV (VOLTS)
	MIN	NOM	MAX				
CIL 250	4.59	5.1	5.61	230	12	3.67	80
CIL 251	5.04	5.6	6.16	230	12	4.03	80
CIL 252	5.58	6.2	6.82	230	12	4.46	70
CIL 253	6.12	6.8	7.48	225	8	4.90	70
CIL 254	6.75	7.5	8.25	225	8	5.40	60
CIL 255	7.38	8.2	9.02	200	6	5.90	60
CIL 256	8.19	9.1	10.01	200	5	6.55	50
CIL 257	9.00	10.0	11.10	200	5	7.20	50
ECONOMY LINE							
CIL 1300	0.2	0.5	0.8	1150	335	1.0	75
CIL 1301	0.4	1.0	1.6	510	105	1.5	75
CIL 1302	1.4	2.0	2.6	345	44	2.0	75
CIL 1303	2.4	3.0	3.6	280	24	2.0	75
CIL 1304	3.4	4.0	4.6	245	14	2.5	75
CIL 1305	4.3	5.0	5.7	175	8	2.7	75
Package Style DC Power Dissipation @ 75°C Lead temperature derate above 75°C Measured 3/8 inch from the body Operating Temperature (Topr) Storage Temperature (Tstg) DO-7 600 Mw 4.8 mW/°C -55 to + 220°C -55 to + 220° C							