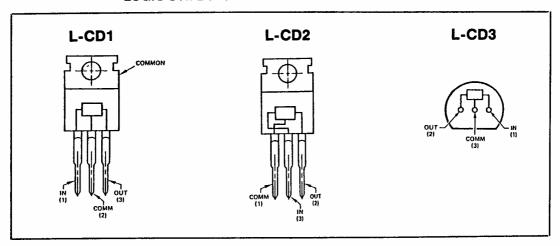
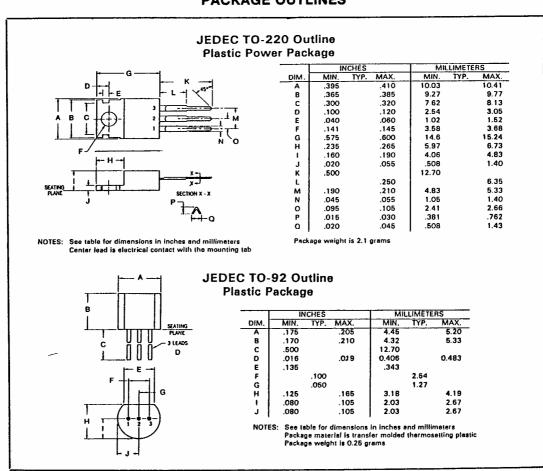


CODI Semiconductor, Inc.

LINEAR
LOGIC SYMBOLS AND CONNECTION DIAGRAMS



PACKAGE OUTLINES



144 Market St., Kenilworth, NJ, USA 07033 🎉 (201) 298-0400

TOLL-FREE: 1-800-232-CODI TELEX: 844-796 FAX NUMBER: 201-298-0477



CODI Semiconductor, Inc.

LINEAR INTEGRATED CIRCUITS 3 - TERMINAL VOLTAGE REGULATORS

	1 AMP Pos. 7805-7824	1 AMP Neg. 7905-7924	.5A Pos. 78M05-78H24	.1A Pos. 78L05-78L24	
Thermal resistance					
Rj-c		5°c/w		7°c/w	
Rj-a		70°c/₩		100°c/w	
Power			1 1		
Dissipation	20)¥	10%	500W	
Temperature range					
Operating Ambient		-20 to + 75°C			
Operating Junction		-20 to + 125°C			
Storage		-55 to + 12	5°C	-40 to + 125°C	
Line Regulation (MV) Vo/Vi (%)	2.0		1,0	2.0	
			1.0	2:0	
Load Regulation (HV) Vo/Io (2)	2.	0	1.	0	
Logic/Connection					
diagram	L-CD 1	L-CD 2	L-CD 1	L-CD 3	
Package					
		TO-220		TO-92	

TYPE No.	Nominal OUTPUT Voltage Range (V)	OUTPUT Voltage Range (V)	INPUT Voltage Range (V)	Quiescent Current (MA)	Ripple Rejection (dB) MIN	OUTPUT Noise Voltage (uV)	OUTPUT Voltage Drift (TYP) HV/°C
1 AMP POSIT	LIAR						

1 7001							
7805	5.0	4.8-5.2	7.0-35.0	5.3	62	40	4
7806	6.0	5.75-6.25	8.0-35.0	4.7	59	45	
7808	8.0	7.7-8.3	10.5-35.0	. A-7	56	50	0.4
7812	12.0	11.5-12.5	14.5-35.0	4.7	55	70	0.8
7815	15.0	14-4-15-6	17.5-35.0	4.7	54	85	1
7818	18.0	17.3-18.7	21.0-35.0	5-0	53	95	1.2
7824	24-0	23-0-25-0	27,0-40.0	5.0	50	120	

7905	-5.0	-4.8-5.2	-7.0-35.0	1.0	54	100	-0.4
7906	-6.0	-5.75-6.25	-8.0-35.0	1.0	54	150	-0.5
7908	-8.0	-7.7-8.3	-10.5-35.0	1.0	54	200	-0.6
7912	-12.0	-11.5-12.5	-14.5-35.0	1.5	54	300	-0.8
7915	-15.0	-14.4-15,6	-17.5-35.0	1.5	54	375	-1.0
7918	-18.0	-17.3-18.7	-21.0-35.0	1.5	54	450	=1.0
7924	-24.0	1 -23.0-25.0	-27.0-40.0	1.5	51	600	-1.0

.5A (500ma) POSITIVE						
78H05	5.0	4.8-5.2	7-0-35.0	4.5	62	40	-1.0
78H06	6.0	5.75-6.25	8.0-35.0	4.6	59	45	-1_0_
78M08	8.0	7.7-8.3	10.5-35.0	4.6	56	52	-1.0
78H12	12.0	11.5-12.5	14.5-35.0	4.8	55	75	-1.0
78H15	15.0	14.4-15.6	17.5-35.0	4.8	54	90	-1-0
78H18	18.0	17.3-18.7	21.0-35.0	4.8	53	100	-1.0
78H24	24.0	23.0-25.0	27.0-40.0	5.0	50	170	-1.0

781.05	5.0	4.75-5.25	7.0-30.0	6.0*	40	40	-1.0
78L06	6.0	5.95-6.45	8.0-30.0	6.0*	39	50	-1.0
78L08	8.0	7.6-8.4	10.5-30.0	6,0*	39	60	-1.0
78L12	12.0	11,4-12.6	14.5-35.0	6.5*	37	80	-1.5
78L15	15.0	14.3-15.7	17.5-35.0	6.5*	34	90	-1.5
78L18	18.0	17.1-18.9	21.0-40.0	6.5*	33	120	-2.0
78L24	24.0	22.8-25.2	27.0-40.0	7.0*	32	200	-2.0

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