

Three Terminals Voltage Regulators

TYPE NO.	CASE	MAXIMUM RATINGS			OUTPUT VOLTAGE				LINE REGULATION		LOAD REGULATION		RIPPLE REJECTION
		P _d (W)	I _O (A)	V _I (V)	(V)			V _I (V)	(mV) max	Δ V _I (V)	(mV) max	Δ I _O (mA)	(dB) min
					min	typ	max						
ML78L05A	TO-92	0.5	0.1	30	4.8	5.0	5.2	10	150	7 ~ 20	60	1-100	41
ML78L06A	TO-92	0.5	0.1	30	5.75	6.0	6.25	11	175	8 ~ 20	80	1-100	40
ML78L08A	TO-92	0.5	0.1	30	7.7	8.0	8.3	14	175	10.5 ~ 23	80	1-100	38
ML78L09A	TO-92	0.5	0.1	30	8.6	9.0	9.4	16	175	12 ~ 24	90	1-100	38
ML78L12A	TO-92	0.5	0.1	35	11.5	12.0	12.5	19	250	14.5 ~ 27	100	1-100	37
ML78L15A	TO-92	0.5	0.1	35	14.4	15.0	15.6	23	300	17.5 ~ 30	150	1-100	34
ML78L18A	TO-92	0.5	0.1	35	17.3	18.0	18.7	26	360	20.5 ~ 33	180	1-100	32
ML78L24A	TO-92	0.5	0.1	40	23	24.0	25	32	480	26.5 ~ 39	240	1-100	30
ML78M05A	TO-220	7.5*	0.5	35	4.8	5.0	5.2	10	100	7 ~ 25	100	5-1500	62
ML78M06A	TO-220	7.5*	0.5	35	5.75	6.0	6.25	11	120	8 ~ 25	120	5-1500	59
ML78M08A	TO-220	7.5*	0.5	35	7.7	8.0	8.3	14	160	10.5 ~ 25	160	5-1500	55
ML78M09A	TO-220	7.5*	0.5	35	8.65	9.0	9.35	16	180	11.5 ~ 27	180	5-1500	55
ML78M12A	TO-220	7.5*	0.5	35	11.5	12.0	12.5	19	240	14.5 ~ 30	240	5-1500	55
ML78M15A	TO-220	7.5*	0.5	35	14.4	15.0	15.6	23	300	17.5 ~ 30	300	5-1500	54
ML78M18A	TO-220	7.5*	0.5	35	17.3	18.0	18.7	27	360	21 ~ 33	360	5-1500	53
ML78M24A	TO-220	7.5*	0.5	40	23.0	24.0	25.0	33	480	27 ~ 38	480	5-1500	50
ML7805A	TO-220	15*	1	35	4.8	5.0	5.2	10	100	7 ~ 25	100	5-1500	62
ML7805FA	TO-220F	15*	1	35	4.8	5.0	5.2	10	100	7 ~ 25	100	5-1500	62
ML7806A	TO-220	15*	1	35	5.75	6.0	6.25	11	120	8 ~ 25	120	5-1500	59
ML7806FA	TO-220F	15*	1	35	5.75	6.0	6.25	11	120	8 ~ 25	120	5-1500	59
ML7808A	TO-220	15*	1	35	7.7	8.0	8.3	14	160	10.5 ~ 25	160	5-1500	55
ML7808FA	TO-220F	15*	1	35	7.7	8.0	8.3	14	160	10.5 ~ 25	160	5-1500	55
ML7809A	TO-220	15*	1	35	8.65	9.0	9.35	16	180	11.5 ~ 27	180	5-1500	55
ML7809FA	TO-220F	15*	1	35	8.65	9.0	9.35	16	180	11.5 ~ 27	180	5-1500	55
ML7812A	TO-220	15*	1	35	11.5	12.0	12.5	19	240	14.5 ~ 30	240	5-1500	55
ML7812FA	TO-220F	15*	1	35	11.5	12.0	12.5	19	240	14.5 ~ 30	240	5-1500	55
ML7815A	TO-220	15*	1	35	14.4	15.0	15.6	23	300	17.5 ~ 30	300	5-1500	54
ML7815FA	TO-220F	15*	1	35	14.4	15.0	15.6	23	300	17.5 ~ 30	300	5-1500	54
ML7818A	TO-220	15*	1	35	17.3	18.0	18.7	27	360	21 ~ 33	360	5-1500	53
ML7818FA	TO-220F	15*	1	35	17.3	18.0	18.7	27	360	21 ~ 33	360	5-1500	53
ML7820A	TO-220	15*	1	35	19.2	20.0	20.8	29	400	23 ~ 35	400	5-1500	51
ML7820FA	TO-220F	15*	1	35	19.2	20.0	20.8	29	400	23 ~ 35	400	5-1500	51
ML7824A	TO-220	15*	1	40	23.0	24.0	25.0	33	480	27 ~ 38	480	5-1500	50
ML7824FA	TO-220F	15*	1	40	23.0	24.0	25.0	33	480	27 ~ 38	480	5-1500	50

* T_C=25°C

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TYPE NO.	CASE	MAXIMUM RATINGS			OUTPUT VOLTAGE				LINE REGULATION		LOAD REGULATION		RIPPLE REJECTION
		P _d (W)	I _O (A)	V _I (V)	(V)			V _I (V)	(mV)	Δ V _I (V)	(mV)	Δ I _O (mA)	(dB)
					min	typ	max		max		max		min
ML79L05A	TO-92	0.5	0.1	-30	-4.8	-5.0	-5.2	-10	150	-7 ~ -20	60	1-100	41
ML79L09A	TO-92	0.5	0.1	-30	-8.64	-9.0	-9.36	-15	200	-11.5 ~ -24	90	1-100	38
ML79L12A	TO-92	0.5	0.1	-30	-11.5	-12.0	-12.5	-19	250	-14.5 ~ -27	100	1-100	37
ML79L15A	TO-92	0.5	0.1	-30	-14.4	-15.0	-15.6	-23	300	-17.5 ~ -30	150	1-100	34
ML79L18A	TO-92	0.5	0.1	-40	-17.3	-18.0	-18.7	-27	325	-20.7 ~ -33	170	1-100	33
ML79L24A	TO-92	0.5	0.1	-40	-23.0	-24.0	-25	-33	350	-27 ~ -38	200	1-100	31
ML79M05A	TO-220	7.5*	0.5	-35	-4.8	-5.0	-5.2	-10	50	-7 ~ -25	100	5-1500	54
ML79M06A	TO-220	7.5*	0.5	-35	-5.75	-6.0	-6.25	-11	120	-8 ~ -25	120	5-1500	54
ML79M08A	TO-220	7.5*	0.5	-35	-7.7	-8.0	-8.3	-14	160	-10.5 ~ -25	160	5-1500	54
ML79M09A	TO-220	7.5*	0.5	-35	-8.65	-9.0	-9.35	-16	180	-11.5 ~ -25	180	5-1500	54
ML79M12A	TO-220	7.5*	0.5	-35	-11.5	-12.0	-12.5	-19	240	-14.5 ~ -30	200	5-1500	54
ML79M15A	TO-220	7.5*	0.5	-35	-14.4	-15.0	-15.6	-23	300	-17.5 ~ -30	200	5-1500	54
ML79M18A	TO-220	7.5*	0.5	-35	-17.3	-18.0	-18.7	-27	360	-21 ~ -33	360	5-1500	54
ML79M24A	TO-220	7.5*	0.5	-40	-23.0	-24.0	-25.0	-33	480	-27 ~ -38	480	5-1500	54
ML7905A	TO-220	15*	1	-35	-4.8	-5.0	-5.2	-10	50	-7 ~ -25	100	5-1500	54
ML7905FA	TO-220F	15*	1	-35	-4.8	-5.0	-5.2	-10	50	-7 ~ -25	100	5-1500	54
ML7906A	TO-220	15*	1	-35	-5.75	-6.0	-6.25	-11	120	-8 ~ -25	120	5-1500	54
ML7906FA	TO-220F	15*	1	-35	-5.75	-6.0	-6.25	-11	120	-8 ~ -25	120	5-1500	54
ML7908A	TO-220	15*	1	-35	-7.7	-8.0	-8.3	-14	160	-10.5 ~ -25	160	5-1500	54
ML7908FA	TO-220F	15*	1	-35	-7.7	-8.0	-8.3	-14	160	-10.5 ~ -25	160	5-1500	54
ML7909A	TO-220	15*	1	-35	-8.65	-9.0	-9.35	-16	180	-11.5 ~ -25	180	5-1500	54
ML7909FA	TO-220F	15*	1	-35	-8.65	-9.0	-9.35	-16	180	-11.5 ~ -25	180	5-1500	54
ML7912A	TO-220	15*	1	-35	-11.5	-12.0	-12.5	-19	240	-14.5 ~ -30	200	5-1500	54
ML7912FA	TO-220F	15*	1	-35	-11.5	-12.0	-12.5	-19	240	-14.5 ~ -30	200	5-1500	54
ML7915A	TO-220	15*	1	-35	-14.4	-15.0	-15.6	-23	300	-17.5 ~ -30	200	5-1500	54
ML7915FA	TO-220F	15*	1	-35	-14.4	-15.0	-15.6	-23	300	-17.5 ~ -30	200	5-1500	54
ML7918A	TO-220	15*	1	-35	-17.3	-18.0	-18.7	-27	360	-21 ~ -33	360	5-1500	54
ML7918FA	TO-220F	15*	1	-35	-17.3	-18.0	-18.7	-27	360	-21 ~ -33	360	5-1500	54
ML7924A	TO-220	15*	1	-40	-23.0	-24.0	-25.0	-33	480	-27 ~ -38	480	5-1500	54
ML7924FA	TO-220F	15*	1	-40	-23.0	-24.0	-25.0	-33	480	-27 ~ -38	480	5-1500	54

* T_c=25°C