

FAIRCHILD Voltage Regulators



Products may be RoHS compliant. Check mouser.com for RoHS status.



GENERAL PURPOSE VOLTAGE REGULATORS (CONT.)

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	No. of Outputs	Output Levels	Output Voltage (Typ.)(V)	Input Voltage (Max.)(V)	ADJ Output Voltage		Output Current (Typ.)(V)	Voltage Drop (Max.)(V)	Price Each			
							(Min.)(V)	(Max.)(V)			1	25	100	250
512-LM78L05ACZX	LM78L05ACZX	TO-92R	1	Positive	5	30	-	-	0.1	1.7	.18	.157	.145	.129
512-MC78L05ABPX	MC78L05ABPX	TO-92R	1	Positive	5	30	-	-	0.1	1.7	.35	.18	.17	.118
◆ 512-MC78L05ACD	MC78L05ACD	SOIC-8	1	Positive	5	30	-	-	0.1	1.7	.28	.235	.212	.169
◆ 512-MC78L05ACDX	MC78L05ACDX	SOIC-8	1	Positive	5	30	-	-	0.1	1.7	.28	.235	.212	.169
◆ 512-MC78L05ACHX	MC78L05ACHX	SOT-89	1	Positive	5	30	5	24	0.1	1.7	.56	.364	.299	.243
512-MC78L05ACP	MC78L05ACP	TO-92R	1	Positive	5	40	5	24	0.1	1.7	.18	.154	.138	.11
512-MC78L05ACPXA	MC78L05ACPXA	TO-92R	1	Positive	5	30	5	24	0.1	1.7	.35	.18	.17	.118
◆ 512-KA78M05RTM	KA78M05RTM	TO-252	1	Positive	5	35	-	-	0.5	2	.55	.47	.403	.348
512-KA78M05TU	KA78M05TU	TO-220	1	Positive	5	35	-	-	0.5	2	.52	.425	.376	.283
512-LM78M05CT	LM78M05CT	TO-220	1	Positive	5	35	-	-	0.5	2	.61	.47	.411	.347
◆ 512-MC78M05CDTX	MC78M05CDTX	TO-252	1	Positive	5	35	-	-	0.5	2	.49	.40	.36	.287
512-KA7805AETU	KA7805AETU	TO-220	1	Positive	5	35	-	-	1	2	.65	.50	.431	.375
◆ 512-KA7805ERTF	KA7805ERTF	TO-252	1	Positive	5	40	5	24	1	2	.51	.50	.435	.373
512-KA7805ETU	KA7805ETU	TO-220	1	Positive	5	35	5	24	1	2	.65	.501	.436	.314
512-LM7805ACT	LM7805ACT	TO-220	1	Positive	5	35	-	-	1	2	.50	.467	.395	.343
512-LM7805CT	LM7805CT	TO-220	1	Positive	5	35	-	-	1	2	.54	.443	.398	.317
◆ 512-MC7805ECDTX	MC7805ECDTX	TO-252	1	Positive	5	35	5	24	1	2	.68	.50	.435	.373
◆ 512-KA7805ERTM	KA7805ERTM	TO-252	1	Positive	5	35	-	-	1	2	.65	.48	.40	.347
512-KA78L06AZTA	KA78L06AZTA	TO-92R	1	Positive	6	30	5	24	0.1	1.7	.39	.32	.251	.183
512-KA7806ETU	KA7806ETU	TO-220	1	Positive	6	35	5	24	1	2	.59	.52	.455	.394
512-LM7806CT	LM7806CT	TO-220	1	Positive	6	35	-	-	1	2	.79	.55	.475	.406
◆ 512-KA78L08AMTF	KA78L08AMTF	SOT-89	1	Positive	8	30	5	24	0.002	1.7	.57	.37	.309	.255
512-KA78L08AZTA	KA78L08AZTA	TO-92R	1	Positive	8	30	5	24	0.1	1.7	.39	.32	.251	.183
512-MC78L08ACP	MC78L08ACP	TO-92R	1	Positive	8	30	5	24	0.1	1.7	.20	.171	.153	.122
512-LM7808CT	LM7808CT	TO-220	1	Positive	8	35	-	-	1	2	.52	.50	.427	.37
512-KA7809AETU	KA7809AETU	TO-220	1	Positive	9	35	5	24	0.005	2	.68	.53	.472	.405
512-KA7809ETU	KA7809ETU	TO-220	1	Positive	9	35	5	24	0.005	2	.59	.52	.455	.394
512-LM7809ACT	LM7809ACT	TO-220	1	Positive	9	35	-	-	1	2	.70	.514	.441	.382
512-LM7809CT	LM7809CT	TO-220	1	Positive	9	35	-	-	1	2	.70	.514	.441	.382
512-KA7810AETU	KA7810AETU	TO-220	1	Positive	10	40	5	24	1	2	.68	.53	.472	.405
512-KA7810ETU	KA7810ETU	TO-220	1	Positive	10	35	5	24	1	2	.59	.52	.455	.394
512-LM7810ACT	LM7810ACT	TO-220	1	Positive	10	35	-	-	1	2	.79	.55	.475	.406
512-LM7810CT	LM7810CT	TO-220	1	Positive	10	35	-	-	1	2	.79	.55	.475	.406
512-KA78L12AZTA	KA78L12AZTA	TO-92R	1	Positive	12	35	5	24	0.0021	1.7	.39	.32	.251	.183
512-KA7812AETU	KA7812AETU	TO-220	1	Positive	12	35	5	24	0.0051	2	.68	.53	.472	.405
512-KA7812ETU	KA7812ETU	TO-220	1	Positive	12	35	5	24	0.0051	2	.74	.59	.46	.322
◆ 512-MC7812ECDTX	MC7812ECDTX	TO-252	1	Positive	12	35	5	24	0.0051	2	.68	.50	.435	.373
512-LM78L12ACZ	LM78L12ACZ	TO-92R	1	Positive	12	40	5	24	0.1	1.7	.17	.146	.131	.105
512-LM78L12ACZX	LM78L12ACZX	TO-92R	1	Positive	12	35	-	-	0.1	1.7	.54	.30	.233	.163
512-LM7812ACT	LM7812ACT	TO-220	1	Positive	12	35	-	-	1	2	.63	.46	.397	.344
512-LM7812CT	LM7812CT	TO-220	1	Positive	12	35	-	-	1	2	.70	.514	.441	.382
512-KA7815AETU	KA7815AETU	TO-220	1	Positive	15	35	5	24	0.0052	2	.68	.53	.472	.405
512-KA78L15AZTA	KA78L15AZTA	TO-92R	1	Positive	15	35	5	24	0.1	1.7	.39	.32	.251	.183
512-MC78L15ACP	MC78L15ACP	TO-92R	1	Positive	15	40	5	24	0.1	1.7	.49	.28	.226	.162
512-MC78L15ACPXA	MC78L15ACPXA	TO-92R	1	Positive	15	35	-	-	0.1	1.7	.39	.32	.251	.183
512-KA7815ETU	KA7815ETU	TO-220	1	Positive	15	35	5	24	1	2	.69	.55	.424	.297
512-LM7815ACT	LM7815ACT	TO-220	1	Positive	15	35	-	-	1	2	.66	.488	.419	.363
512-LM7815CT	LM7815CT	TO-220	1	Positive	15	35	-	-	1	2	.70	.514	.441	.382
512-LM7818CT	LM7818CT	TO-220	1	Positive	18	35	-	-	1	2	.70	.514	.441	.382
512-KA78L09AZTA	KA78L09AZTA	TO-92R	1	Positive	ADJ	30	5	24	0.1	1.7	.39	.32	.251	.183
512-KA78L10AZTA	KA78L10AZTA	TO-92R	1	Positive	ADJ	30	5	24	0.1	1.7	.39	.32	.251	.183
◆ 512-LM317LM	LM317LM	SOIC-8	1	Positive	ADJ	40	1.2	37	0.1	3	.48	.356	.305	.265
◆ 512-LM317LMX	LM317LMX	SOIC-8	1	Positive	ADJ	40	1.2	37	0.1	3	.36	.34	.322	.27
512-LM317LZ	LM317LZ	TO-92R	1	Positive	ADJ	40	1.2	37	0.1	3	.20	.169	.152	.121
512-LM317LZX	LM317LZX	TO-92R	1	Positive	ADJ	40	1.2	37	0.1	3	.60	.35	.288	.205
512-LM336Z25	LM336Z25	TO-92R	1	Positive	ADJ	2.5	2.5	37	0.1	-	.25	.223	.205	.167
512-LM431ACZ	LM431ACZ	TO-92R	1	Positive	ADJ	37	2.5	37	0.1	-	.15	.136	.125	.114
512-LM78L05ACZXA	LM78L05ACZXA	TO-92R	1	Positive	ADJ	30	5	24	0.1	1.7	.23	.216	.177	.163
◆ 512-LM317MDTX	LM317MDTX	TO-252	1	Positive	ADJ	40	1.2	37	0.5	3	.56	.463	.417	.332
◆ 512-LM317MDTXM	LM317MDTXM	TO-252	1	Positive	ADJ	40	1.2	37	0.5	3	.77	.53	.457	.394
512-LM317MT	LM317MT	TO-220	1	Positive	ADJ	40	1.2	37	0.5	3	.50	.424	.368	.277
◆ 512-KA317MRTM	KA317MRTM	TO-252	1	Positive	ADJ	40	1.2	37	0.5	3	.77	.53	.457	.394
512-KA317TU	KA317TU	TO-220	1	Positive	ADJ	40	1.2	37	1.5	3	.56	.496	.418	.321
512-LM317AHVT	LM317AHVT	TO-220	1	Positive	ADJ	60	1.2	57	1.5	3	.73	.57	.492	.428
512-LM317T	LM317T	TO-220	1	Positive	ADJ	40	1.2	37	1.5	3	.70	.55	.47	.41
512-LM350T	LM350T	TO-220	1	Positive	ADJ	35	1.2	33	3	3	.60	.508	.442	.34



LOW DROPOUT VOLTAGE REGULATORS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Output Type	Preset Output Volt Typ. (V)	Output Current (A)	Dropout Voltage (@Iout) (V)	Input Voltage (min.) (V)	Input Voltage (max.) (V)	Operating Temp. (°C)	Output Disable Function	Price Each			
											1	25	100	250
◆ 512-FAN2500S33X	FAN2500S33X	SOT-23	Single	3.3	0.1	0.15	3.4	7	-40 to 125	Yes	.65	.531	.478	.381
◆ 512-FAN2503S33X	FAN2503S33X	SOT-23	Single	3.3	0.2	0.15	3.45	7	-40 to 125	Yes	.65	.585	.51	.442
◆ 512-FAN2504S33X	FAN2504S33X	SOT-23	Single	3.3	0.2	0.2	3.5	7	-40 to 125	Yes	.80	.61	.545	.458
512-KA78R33CTU	KA78R33CTU	TO-220F	Single	3.3	1.0	0.5	-	35	-20 to 80	Yes	.95	.83	.727	.63
512-KA278R33CTU	KA278R33CTU	TO-220F	Single	3.3	2	0.5	3.8	35	-20 to 80	Yes	.95	.75	.663	.575
512-KA378R33TU	KA378R33TU	TO-220F	Single	3.3	3.0	0.5	3.8	35	-20 to 80	Yes	1.21	.96	.857	.746
◆ 512-FAN2106MPX	FAN2106MPX	MLP-25	Single	5	0.0022	0.4	4.5	5.5	-10 to 85	No	2.57	2.32	2.09	1.61
512-KA78R05CTU	KA78R05CTU	TO-220F	Single	5	1.0	0.5	-	35	-20 to 80	Yes	.78	.69	.604	.53
512-KA378R05TU	KA378R05TU	TO-220F	Single	5	3.0	0.5	5.5	35	-20 to 80	Yes	1.34	1.19	1.03	.903
512-KA78R08CTU	KA78R08CTU	TO-220F	Single	8	1.0	0.5	8.5	35	-20 to 80	Yes	.95	.83	.727	.63
512-KA78R09CTU	KA78R09CTU	TO-220F	Single	9	1.0	0.5	9.5	35	-20 to 80	Yes	.95	.83	.727	.63
512-KA78R12CTU	KA78R12CTU	TO-220F	Single	12	1.0	0.5	-	35	-20 to 80	Yes	.89	.793	.691	.601
512-KA278R12CTU														