



Micro Commercial Components



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20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

LM317T

Features

- Output voltage range: 1.2V to 37V
- Output current in excess of 1.5A
- Marking:LM317
- Lead Free Finish/RoHS Compliant (Note1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings @ T_A=25°C, Unless Otherwise Noted

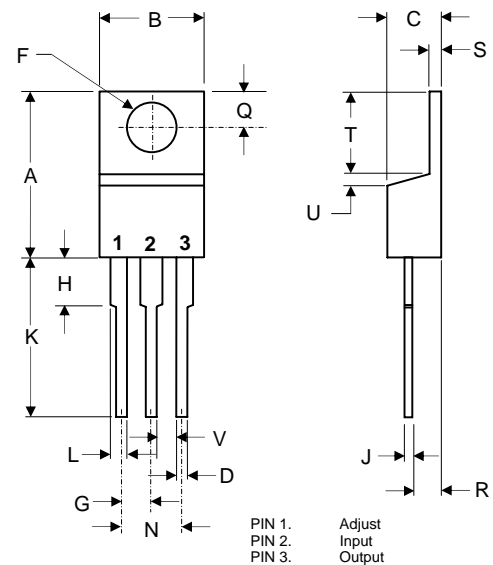
Parameter	Symbol	Value	Unit
Input Voltage	V _I	40	V
Output Current	I _O	1.5	A
Power Dissipation	P _D	Internally Limited	W
Operating Temperature Range	T _{OPR}	0---+125	°C
Storage Temperature Range	T _{STG}	-65---+125	°C
Operating Junction Temperature Range	T _J	0---+125	°C

Electrical Characteristics (V_I-V_O=5V, I_O=500mA, I_{MAX}=1.5A, P_{MAX}=20W, unless otherwise specified)

Parameter	Sym	Min	Typ	Max	Test conditions
Reference Voltage	V _{REF}	1.2V	1.25V	1.3V	V _I -V _O =5V, I _O =40mA to 500mA
Load regulation	ΔV _O	---	---	1.0%	V _I -V _O =5V, I _O =5mA to 1.5A
Line regulation	ΔV _O	---	---	0.05%/V	V _I -V _O =3V to 40V, I _O =40mA to 500mA
Adjustment pin current	I _q	---	---	100 μA	V _I -V _O =5V, I _O =40mA to 500mA
Adjustment pin current	I _{q(V)}	---	---	5 μA	V _I -V _O =3V to 40V, I _O =40mA to 500mA
Adjustment pin current	I _{q(I)}	---	---	5 μA	V _I -V _O =5V, I _O =5mA to 1.5A
Ripple rejection	Srip	66dB	---	---	V _O =10V, F=100Hz, C _{ADJ} =10 μF

Adjustable Voltage Regulators

TO-220



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.560	.625	14.22	15.88	
B	.380	.420	9.65	10.67	
C	.140	.190	3.56	4.82	
D	.020	.045	0.51	1.14	
F	.139	.161	3.53	4.09	∅
G	.190	.110	2.29	2.79	
H	---	.250	---	6.35	
J	.012	.025	0.30	0.64	
K	.500	.580	12.70	14.73	
L	.045	.060	1.14	1.52	
N	.190	.210	4.83	5.33	
Q	.100	.135	2.54	3.43	
R	.080	.115	2.04	2.92	
S	.045	.055	1.14	1.39	
T	.230	.270	5.84	6.86	
U	---	.050	---	1.27	
V	.045	---	1.15	---	



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Ordering Information :

Device	Packing
Part Number-BP	Bulk; 1Kpcs/Box

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