

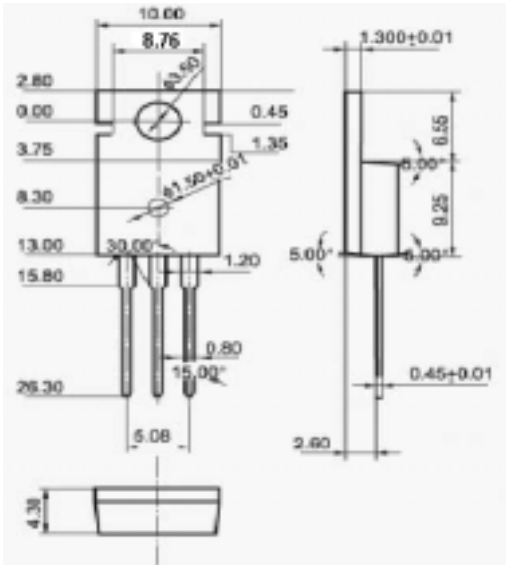
LM317T

◆ Features

- With TO-220 package
- 1,Adjust 2,Output 3, Input
- Output voltage range :1.2V to 37V
- Output current in excess of 1.5A



1 2 3



◆ Absolute maximum rating

Symbol	Parameter	Value	Unit
$V_i - V_o$	Input-output voltage differential	40	V
I_o	Output current	1.5	A
P_D	Power dissipation	Internally limited	W
T_{OP}	Operating junction temperature	0~+125	°C
T_{STG}	Storage temperature	-65~+125	°C

◆ Electrical characteristics

($V_i - V_o = 5V$, $I_o = 500mA$, $I_{MAX} = 1.5A$, $P_{MAX} = 20W$, unless otherwise specified)

Symbol	Parameter	Test conditions	Min	Typ.	Max	Unit
V_{REF}	Reference voltage	$V_i - V_o = 5V$ $I_o = 40mA$ to $500mA$	1.2	1.25	1.3	V
ΔV_o	Line regulation	$V_i - V_o = 3V$ to $40V$ $I_o = 500mA$			0.05	%/ V
ΔV_o	Load regulation	$V_i - V_o = 5V$ $I_o = 10mA$ to $1.5A$			1.0	%
I_{ADJ}	Adjustment pin current	$V_i - V_o = 5V$ $I_o = 40mA$ to $500mA$			100	μA
ΔI_{ADJ}	Adjustment pin current	$V_i - V_o = 3V$ to $40V$ $I_o = 40mA$ to $500mA$			5	μA
ΔI_{ADJ}	Adjustment pin current	$V_i - V_o = 5V$ $I_o = 10mA$ to $1.5A$			5	μA
S_{VR}	Ripple rejection	$V_o = 10V$; $I_o = 500mA$; $V_i - V_o = 5V$ $f = 100Hz$, $C_{ADJ} = 10 \mu F$	66			dB