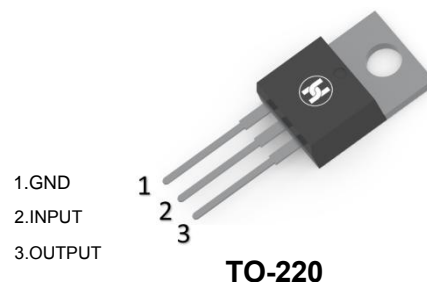


PLASTIC-ENCAPSULATE VOLTAGE REGULATORS
FEATURES

- Output current in excess of 1A
- Output voltage of -15V
- Internal thermal overload protection
- Output transition Safe-Area compensation


MECHANICAL DATA

- Case: TO-220
- Case Material: Molded Plastic. UL flammability
- Classification Rating: 94V-0
- Weight: 2.30 grams (approximate)

ABSOLUTE MAXIMUM RATINGS(T_a=25°C)

SYMBOL	PARAMETER	RATING	UNIT
V _i	DC input voltage	-30	V
T _{OP}	Operating junction temperature	0~150	°C
T _{stg}	Storage temperature	-65~150	°C
R _{th j-c}	Thermal Resistance, Junction to Case	3	°C/W
R _{th j-a}	Thermal Resistance, Junction to Ambient	50	°C/W

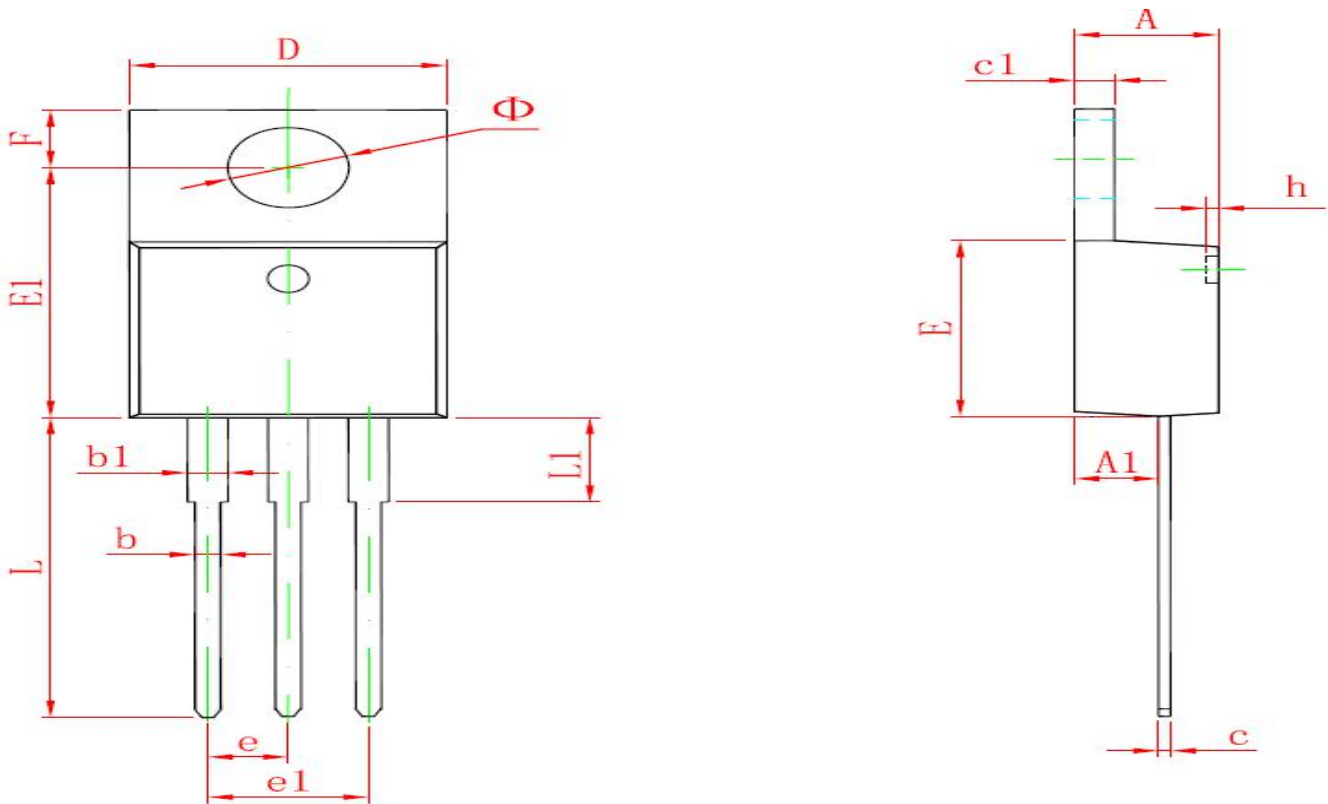
ELECTRICAL CHARACTERISTICS

T_j=25°C (V_i= -23V, I_o=0.5A, C_i= 2.2 μ F, C_o= 1 μ F unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
V _O	Output Voltage	V _{in} =-23V; I _o =1A	-14.4	-15	-15.6	V
V _O	Output Voltage	V _{in} =-17.5 to -30V; I _o = 5mA to 1A;	-14.4	-15	-15.6	V
ΔV _v	Line Regulation	-17.5V ≤ V _{in} ≤ -30V; I _o =0.5A			300	mV
ΔV _i	Load Regulation	5.0mA ≤ I _o ≤ 1A; V _{in} =-23V			300	mV
I _b	Quiescent Current	V _{in} =-23V; I _o =1A			4	mA
Δ _{b1}	Quiescent Current Change	5.0mA ≤ I _o ≤ 1.0A; V _{in} =-23V			0.5	mA
Δ _{b2}	Quiescent Current Change	-18.5V ≤ V _{in} ≤ -30V; I _o =0.5A			1	mA

PLASTIC-ENCAPSULATE VOLTAGE REGULATORS

TO-220 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	4.470	4.670	0.176	0.184
A1	2.520	2.820	0.099	0.111
b	0.710	0.910	0.028	0.036
b1	1.170	1.370	0.046	0.054
c	0.310	0.530	0.012	0.021
c1	1.170	1.370	0.046	0.054
D	10.010	10.310	0.394	0.406
E	8.500	8.900	0.335	0.350
E1	12.060	12.460	0.475	0.491
e	2.540Typ		0.100Typ	
e1	4.980	5.180	0.196	0.204
F	2.590	2.890	0.102	0.114
h	0.000	0.300	0.000	0.012
L	13.400	13.800	0.528	0.543
L1	3.560	3.960	0.140	0.156
Ø	3.735	3.935	0.147	0.155