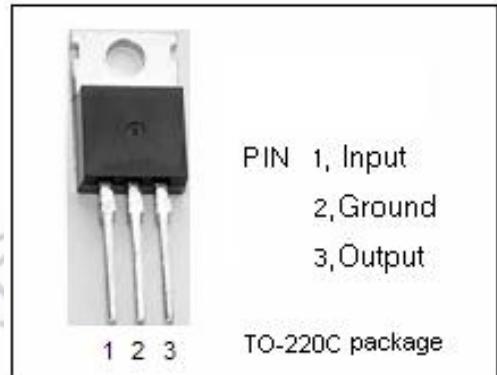


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FEATURES

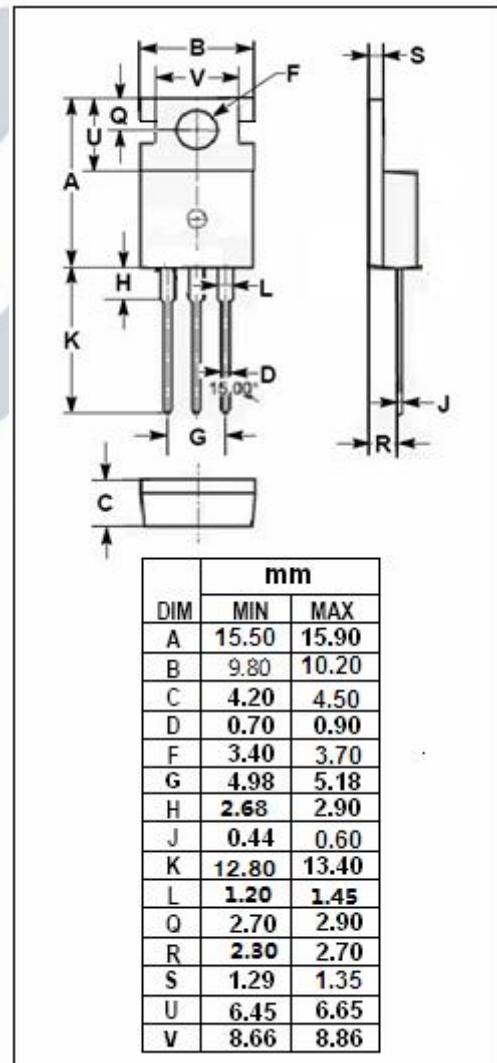
- Output current in excess of 1.5A
- Output voltage of 9V
- Internal thermal overload protection
- Output transition Safe-Area compensation

ABSOLUTE MAXIMUM RATINGS($T_a=25^\circ\text{C}$)

SYMBOL	PARAMETER	RATING	UNIT
V_i	DC input voltage	35	V
I_o	Output current	internally limited	
P_{tot}	Power dissipation	internally limited	
T_{OP}	Operating junction temperature	0~150	$^\circ\text{C}$
T_{stg}	Storage temperature	-55~150	$^\circ\text{C}$

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th j-c}$	Thermal Resistance, Junction to Case	3	$^\circ\text{C/W}$
$R_{th j-a}$	Thermal Resistance, Junction to Ambient	50	$^\circ\text{C/W}$



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• ELECTRICAL CHARACTERISTICS

 $T_j=25^\circ\text{C}$ ($V_i=15\text{V}$, $I_o=0.5\text{A}$, $C_i=0.33\text{\mu F}$, $C_o=0.1\text{\mu F}$ unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V_o	Output Voltage	$V_{in}=15\text{V}$; $I_o=500\text{mA}$	8.65	9.35	V
ΔV_v	Line Regulation	$11.5\text{V} \leq V_{in} \leq 26\text{V}$; $I_o=500\text{mA}$		180	mV
ΔV_i	Load Regulation	$5.0\text{mA} \leq I_o \leq 1.5\text{A}$; $V_{in}=15\text{V}$		180	mV
I_b	Quiescent Current	$V_{in}=15\text{V}$; $I_o=0.5\text{A}$		8.0	mA
Δb_1	Quiescent Current Change	$5.0\text{mA} \leq I_o \leq 1.0\text{A}$; $V_{in}=15\text{V}$		0.5	mA
Δb_2	Quiescent Current Change	$12\text{V} \leq V_{in} \leq 26\text{V}$; $I_o=500\text{mA}$		0.8	mA