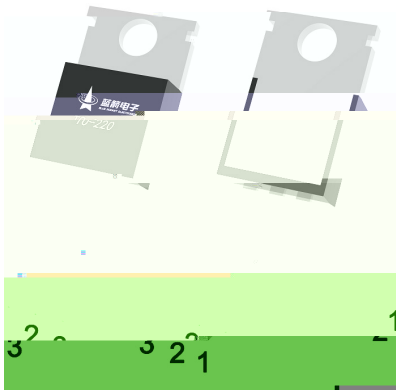


TO-220 Voltage Regulator in a TO-220 Plastic Package.

1.5A,
3-Terminal regulators ,output current up to 1.5 A, internal thermal overload protection and short-circuit limiting.

Voltage Regulator.

/ / Equivalent Circuit or Application Circuit



PIN1 GND PIN 2 IN PIN 3 OUT

/ Marking

/ Absolute Maximum Ratings(Ta=25)

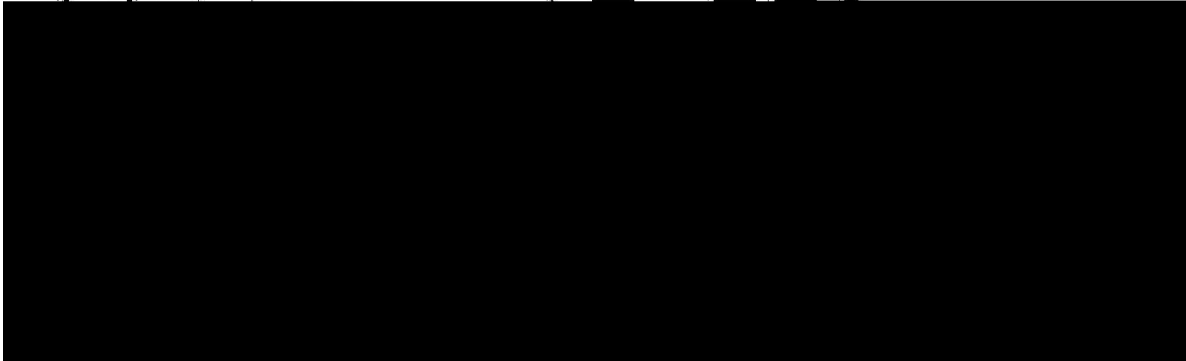
Parameter	Symbol	Rating	Unit
Input Voltage Difference	V_I	-35	V
Junction-to-Ambient	R_{JA}	62.5	/W
Junction-to-Case	R_{JC}	8.9	/W
Operating Temperature Range	T_{OPR}	-40 125	
Storage temperature range	T_{stg}	-65 150	

/ Electrical Characteristics(Ta=25)

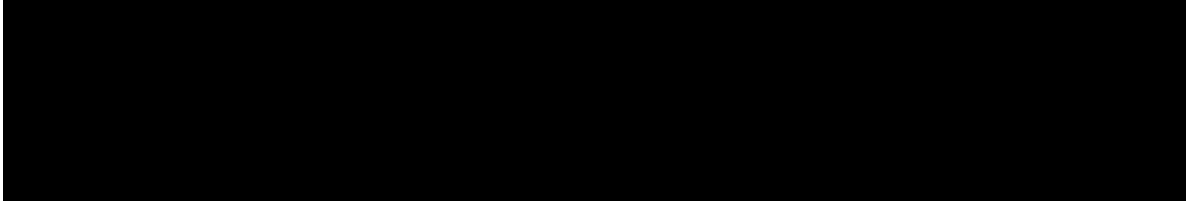
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Line regulation	V_o	$T_j=25$	-4.8	-5.0	-5.2	V
		$V_i=8$ to 20V, $I_o=-5$ mA to -1A, P_o 15W	-4.75	-5.0	-5.25	
Load Regulation	V_o	$T_j=25$ $I_o=5$ mA to 1.5A			100	mV
		$T_j=25$ $I_o=250$ mA to 750mA			50	
Load Regulation	V_o	$T_j=25$ $V_i=-7$ V to -25V			100	mV
		$T_j=25$ $V_i=-8$ V to -12V			50	
Bias current	I_d	$T_j=25$			8.0	mA
Bias current change	I_d	$V_i=-8$ V to -25V			0.8	mA
		$I_o=5$ mA to 1A			0.5	mA
Ratio of Change in VREF to Cathode Voltage	V_o/ T	$I_o=5$ mA		-0.4		mV/
RMS Noise vs. %of VOUT	eN	B=10Hz to 100KHz $T_j=25$		100		μ V
Ripple Rejection	SVR	$V_i=10$ V $f=120$ Hz	54	60		dB
Dropout voltage	V_d	$I_o=1$ A $T_j=25$ $V_o=100$ mV		1.4		V
Short Circuit Current Limit	Isc			2.1		A

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/ Package Dimensions



	Min	Max	Min	Max
A	9.8	10.2	C	14.2
R	3.56	3.64	B	6.3
a	15.7	16.1	b	19.3
m	12.8	13.6	n	2.2



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DATA SHEET