

تۈر / Descriptions

TO-220F ММ Е Э Я Ъ Ω Н Voltage Regulator in a TO-220F Plastic Package.

- **È / Features**

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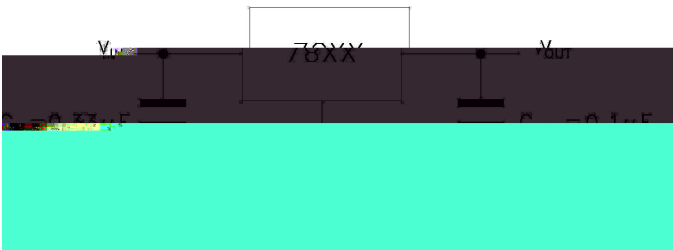
3-Terminal regulators ,output current up to 1.5A, internal thermal overload protection and short-circuit limiting.

🔗 / Applications

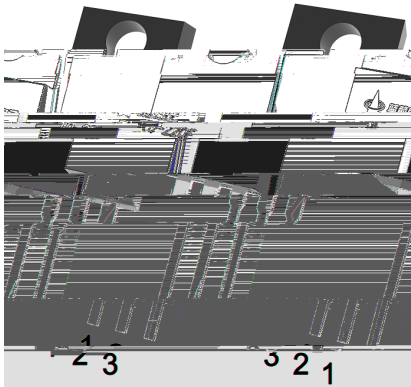
$$\mathbb{C} \times \mathbb{R} \ni \tilde{\Omega}_i$$

Voltage Regulator.

الف $\alpha = \varepsilon / z \quad v = \varepsilon \quad / \quad \text{Equivalent Circuit or Application Circuit}$



$\tilde{a}$ / $\tilde{u}$ / Pinning



PIN1 χ IN

PIN 2 χ GND

PIN 3 χ OUT

4. H 2 / Marking

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See Marking Instructions.

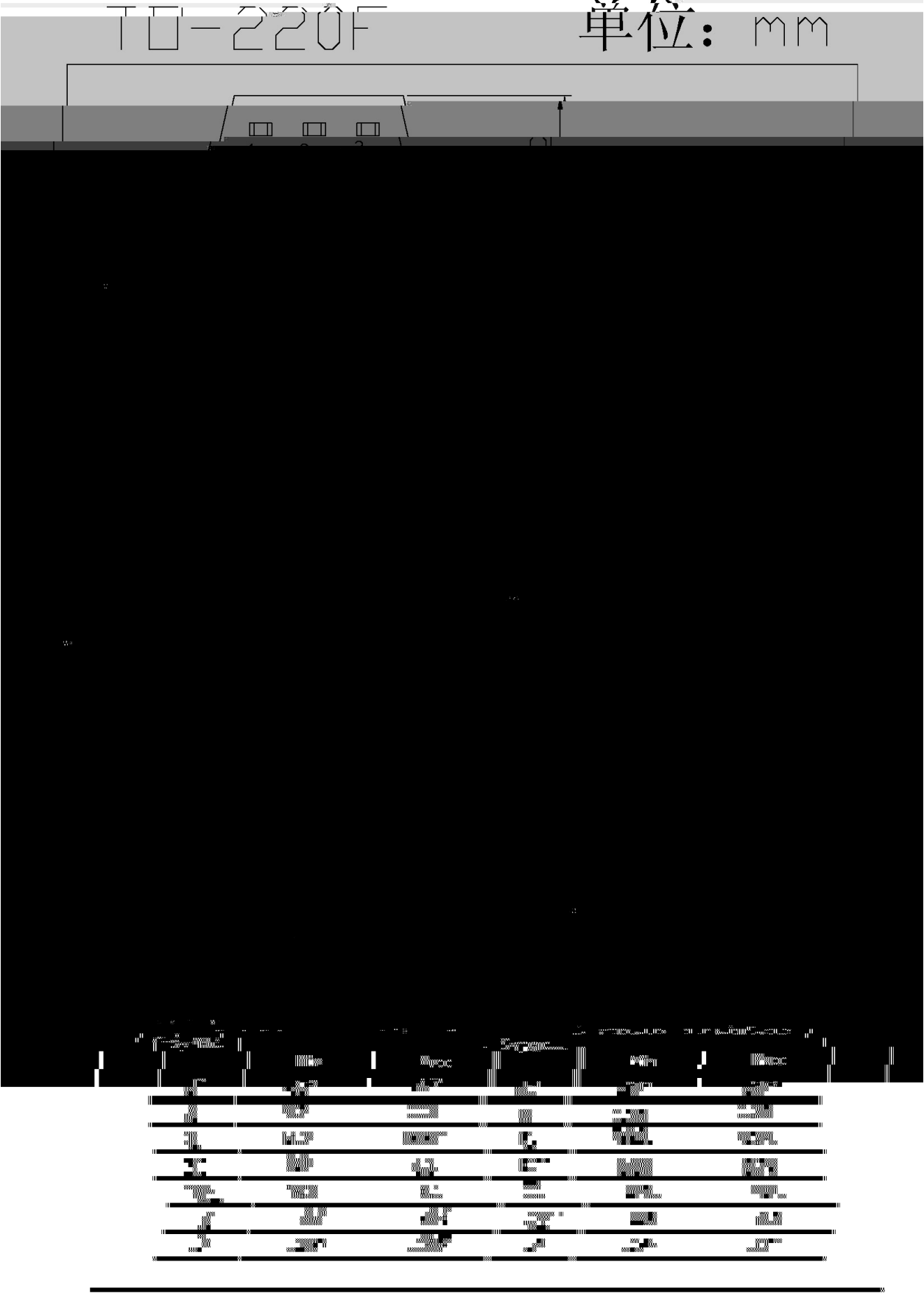


Parameter	Symbol	Rating	Unit
Input voltage	V_I	35	V
Thermal Resistance Junction-ambient	R_{JA}	60	/W
Thermal Resistance Junction-case	R_{JC}	5.0	/W
Operating Temperature Range	T_{OPR}	-40 125	
Storage temperature range	T_{stg}	-65 150	

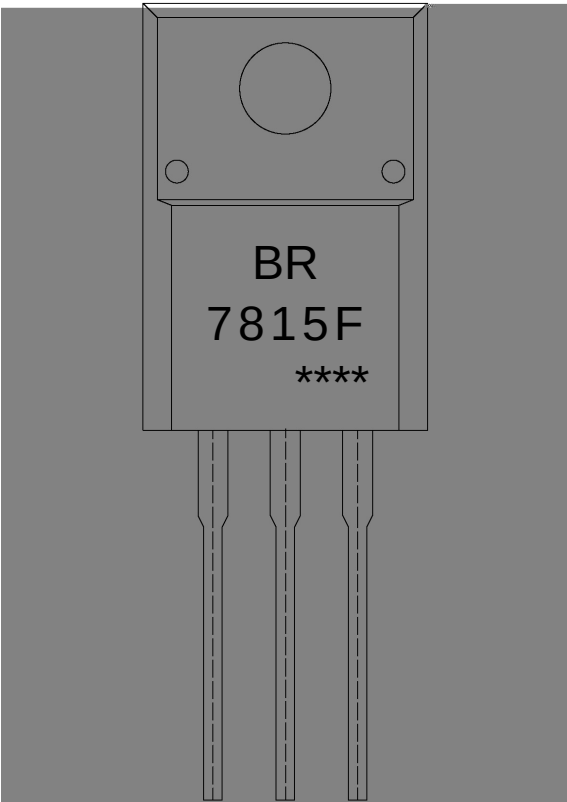
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output voltage	V_O	$T_j=25$	14.4	15	15.6	V
		$V_i=17.5V-30V$ $I_o=5.0mA-1.0A$ $P_D \leq 15W$	14.25	15	15.75	V
Load Regulation	V_O	$T_j=25$ $I_o=5.0mA-1.5A$			300	mV
		$T_j=25$ $I_o=250mA-750mA$			150	mV
Line regulation	V_O	$T_j=25$ $V_i=17.5V-30V$			300	mV
		$T_j=25$ $V_i=20V-26V$			150	mV
Quiescent Current	I_q	$T_j=25$			8.0	mA
Quiescent Current Change	I_q	$V_i=17.5V-30V$			1.0	mA
		$I_o=5.0mA-1.0A$			0.5	mA
Output Voltage Drift	V_O / T	$I_o=5.0mA$		-1.0		mV/
Output Noise Voltage	eN	B=10Hz-100KHz $T_j=25$		90		V/ V_O
Supply Voltage Rejection	SVR	$V_i=18.5V-28.5V$ $f=120Hz$	54			dB
Dropout Voltage	V_d	$I_o=1A$ $T_j=25$		2.0		V
Output Resistance	R_o	$f=1.0KHz$		19		m

7815F

⌘ É Ò Ì ¢ / Package Dimensions



1. 标记 / Marking Instructions



公司代码	BR
EU 代码	7815F
封装代码	****
注意:	
BR:	Company Code
7815F:	Product Type
****:	Lot No. Code, code change with Lot No

