˜Yٿ

TO-220F ṂṂ Ł ɔ я ذ ̃Ǫ ʜ Voltage Regulator in a TO-220F Plastic Package.

◕ È

s ˥˧ ˥˧ я ذ ̃Ǫ ʜ ı ʒ ̧ ɔ ╚ ح ʒ 1.5A, ɲ ɸ ص ̧ ̧ ʒ ï ˭ ˜ ث ں ̇

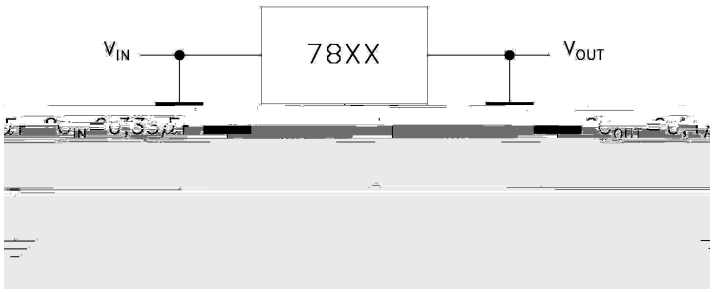
3-Terminal regulators ,output current up to 1.5A, internal thermal overload protection and short-circuit limiting.

ɤ ɛ̤

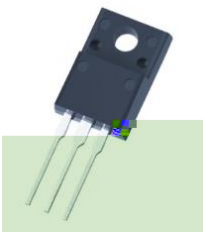
ɔ я ذ ̃Ǫ ʜ

Voltage Regulator.

ɲ ɸ̃ ɑ̃ ̧ ع ʒ ɤ ̧ ع



ã ˩ ʊ̃



PIN1 χ χ GND PIN 3 χ OUT

ɬ ̣ ʜ ɔ̀

ɔ̀ ʍ ˥˧ ب ˝ See Marking Instructions

ώ ֆ Ɜ Ặ ɹ

v Ậ Parameter	ɬ N Symbol	Ậ Ë Rating	D Ɥ Unit
Input voltage	V_I	35	V
Thernal Resistance Junction-ambient	$R_{\theta JA}$	50	/W
Thernal Resistance Junction-case	$R_{\theta JC}$	5.0	/W
Operating Junction Temperature Range	T_{OPR}	0 125	
Storage temperature range	T_{stg}	-65 150	

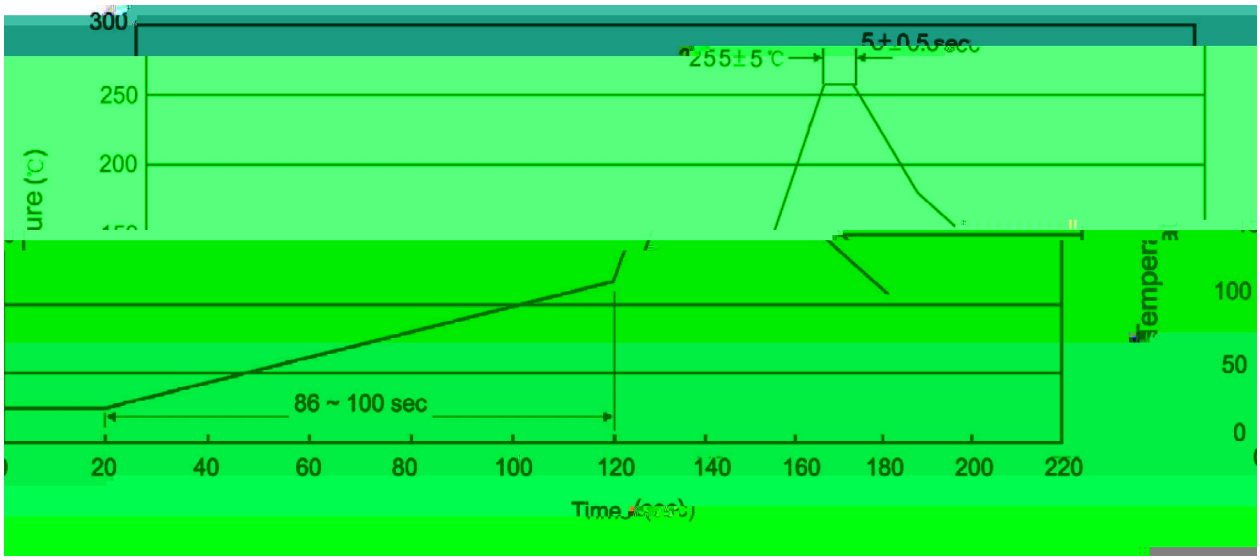
ɜ ʌ Ɜ Ặ ɹ ɛ ɛ

v Ậ Parameter	ɬ N Symbol	╨ ⁝ ɬ ɬ Test Conditions	ώ ɳ Ë Min	Ɛ ʒ Ë Typ	ώ ᶻ Ë Max	D Ɥ Unit
Output voltage	V_O	T_j=25	5.75	6.0	6.25	V
		V_i=9V-21V Po≤15W, Io=5mA-1A,	5.7	6.0	6.3	V
Load Regulation	Vo	T_j=25 Io=5mA-1.5A			120	mV
		T_j=25 Io=250mA-750mA			60	mV
Line regulation	Vo	T_j=25 Vi=8V-25V			120	mV
		T_j=25 Vi=9V-13V			60	mV
Quiescent Current	Iq	T_j=25			8.0	mA
Quiescent Current Change	Iq	V_i=9V-25V			0.8	mA
		Io=5mA-1A			0.5	mA
Output Voltage Drift	Vo/ T	Io=5mA		-0.8		mV/
Output Noise Voltage	eN	B=10Hz-100KHz T_j=25		45		μV/Vo
Supply Voltage Rejection	SVR	V_i=9V-19V f=120Hz	59	75		dB
Dropout Voltage	Vd	Io=1A T_j=25		2.0		V
Output Resistance	Ro	f=1KHz		19		mΩ
Short Circuit Current	Isc	V_i=35V T_j=25		0.55		A
Short Circuit Peak Current	Iscp	T_j=25		2.2		A

Rev.G Dec.-2018

Note: BR: Company Code.

↓ ş ╕ẘ´E ٧ ƒ ѽ ѫ



ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ќ 150 ɬ ı ˋH ڑ 60 Ќ 90sec;

2 Š Ө □ ỷ 255 ° 5 ɬ ı ˋH ڑ ˋY ٨ ѭ 5 ° 0.5sec;

3 ì ˙ ٧ ˛ ɔ ѧ ỷ ѭ 2 Ќ 10 ɬ /sec.

Note:

1.Preheating:25~150 ɬ , Time:60~90sec.

2.Peak Temp.:255 ° 5 ɬ , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ɬ /sec.

٨ ѷ ɋ ˉ Y Ţ

□ ỷ χ 270 ° 5 ɬ ˋH ڑ χ 10 ° 1 sec. Temp:270±5 Time:10±1 sec

ɒ Ь ≮ —

ˇQ ţ ɣ Ь / BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)		
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

˷ ٦ ɣ Ь / TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)	
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒
TO-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50

ä ѵ ɭ ˇQ