5 é / Descriptions

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Low dropout linear regulator in a SOT23-3 Plastic Package.

¤ ª / Features

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Ð ÷ / Applications

9 _ • › — Õ k * ' — Õ k º È y , È — Õož

For use in power equipment,Communication equipment,Audio and video equipment.

Ã W] Ô · / Equivalent Circuit

• Û - æ / Pinning

–	d f		–	d f	
1	GND	› ª	3	VIN	9 ÿ µ €
2	VOUT	9 ÿ ß €			

, M V / Marking

• - ~ ª ¢ož See Marking Instructions.

@ *f*	… Z	*f* ›	% y
ÿ µ 9	V_{IN}	-0.3 to 40	V
ÿ ß v	I_{OUT}	200	mA
ô • ä	P_D	0.6	W
¥ “ †	T_{stg}	-40 to +125	°C
W • “ †	T_A	-40 to +85	
’ D N “ † g 10s h	T_{sold}	260	°C
… ² ˆ ´	HBM	2	kV
	MM	200	V

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Ú ^ â Ý › k é [• ‘ ˜ ^ ¨ ¥ • 8 8 Ù gož ò ç ˜ ^ x ž • W • ¨ Í + Â Ý â ’ Ú ^ k ¿
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Notes: If the device operating conditions over the maximum rating of the above-mentioned conditions, may cause permanent damage to the device. The above parameters is only part of the operating conditions the maximum, we do not recommend the device running outside the scope of this specification. If the device to work long hours under the condition of absolute maximum limit, its stability may be affected.

@ *f*	… Z	y ¡ Ú ^	Â 4 ›	Á º ›	Â Ý ›	% y
ÿ µ 9	V_{IN}				36	V
ÿ ß 9 g 1 h	V_{OUT} g E h	I_{OUT}=10mA	3.234	3.3	3.366	V
ÿ µ ÿ ß 9 [g 2 h	V_{dif}	I_{OUT}=100mA V_{OUT}=3.3V				

@ *f*	… Z	y ¡ Ú ^	Â 4 ›	Á º ›	Â Ý ›	% y
› ¼ f ò A	PSRR	I_{OUT}=50mA È f=100Hz		80		dB
		I_{OUT}=50mA È f=1kHz		70		
		I_{OUT}=50mA È f=10kHz		60		
		I_{OUT}=50mA È f=100kHz		50		
ÿ ß ™ Ò 9	V_{ON}	BW=10Hz to 100kHz		90		uV_{RMS}

(1) $V_{OUT\ gE\ h}$ Ž ÿ ß 9 k $V_{OUT\ gS\ h}$ — ö f ÿ ß 9

(2) ÿ µ ÿ ß 9 [# y ¡ ¿ ú Ú ^ k ÿ ß 9 V_{OUT} k Ù ã ‘ ÿ µ 9 k + ÿ ß 9 ‘ z ñ V_{OUT}*98% ž k ÿ µ 9 y ÿ ß 9 [›ož

Ô ? d • Ž ¢ / Electrical Characteristic Curve

À ¹ € Đ Ô · / Typical Application Circuit

Â Î • / Basic Application

ÿ ß Ý v 9 ² - ˜ / High Output Current Voltage Regulator

? è ‘ • / Short-Circuit Protection

À ¹ € Đ Ô · / Typical Application Circuit

ÿ ß ä 9 è / Circuit for Increasing Output Voltage

ÿ ß v ² - è / Constant Current Regulator

E ÿ ß è / Double Output Circuit

Ø ¤ =) ¢ / Package Dimensions

, M y ƒ / Marking Instructions

7533H
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7533H y º Z W A

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Note:

7533H: Product Type Code

****: Lot No. Code, code change with Lot No