

5 é / Descriptions

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

α^a / Features

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- < ä > ò A y J (& Q . `
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- < β) ŷ μ ě Ā y ŷ β ě ú 9 Ā € •
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Đ ÷ / Applications

9 _ • > — Ō k * ' — Ō k ° È y , È — Ō ož

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

Ā W] Ō • / Equivalent Circuit

• Ū - æ / Pinning

—	d f		—	d f	
1	GND	, ^a	3	VIN	9 ŷ μ €
2	VOUT	9 ŷ β €			

, 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 ^ ^	HBM	2	kV
	MM	200	V

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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 i ú ^	Â 4 >	Á ° >	Â Ÿ >	% 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 i Ú ^	Â 4 >	Á ° >	Â Ý >	% y
> ¼ f ò A	PSRR	I _{OUT} =50mA Èf=100Hz		80		dB
		I _{OUT} =50mA Èf=1kHz		70		
		I _{OUT} =50mA Èf=10kHz		60		
		I _{OUT} =50mA Èf=100kHz		50		
ÿ ß ™ Ò 9	V _{ON}	BW=10Hz to 100kHz		90		uV _{RMS}

(1) V_{OUTgEh} Ž Ÿ ß 9 k V_{OUTgSh} — ö f Ÿ ß 9

(2) Ÿ µ Ÿ ß 9 [# y i ç 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

À¹€ĐÔ· / Typical Application Circuit

ÂÎ• / Basic Application

ÿßÝ v 9²-~ / High Output Current Voltage Regulator

?è‘• / Short-Circuit Protection

À¹€ĐÔ· / Typical Application Circuit

ÿßä 9 è / Circuit for Increasing Output Voltage

ÿß v² - è / Constant Current Regulator

Eÿß è / Double Output Circuit

Ø □ =) ¢ / Package Dimensions

, M y f / Marking Instructions

7533H

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7533H y ° Z W A
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Note:
7533H: Product Type Code
****: Lot No. Code, code change with Lot No

