

Adjustable Voltage Regulator

Primary characteristics				
Parameter	Value	Unit		
Output voltage	3.3	V		
Output current	30	mA		

Features

- Pb-free and **RoHS** compliant
- Low power consumption
- Low temperature coefficient
- High input voltage(up to 30V)
- Output voltage accuracy: tolerance ±3%

Applications

- Battery-powered equipment
- Communication equipment
- Audio/Video equipment



Absolute maximum ratings						
Parameter	Symbol	Rating	Unit			
Supply voltage	Vin	-3 to +30	V			
Power dissipation	P _{tot}	500	mW			
Operating temperature	T _{OPR}	-40 ~ +85	°C			
Storage Temperature	T _{STG}	-50 ~ +125	°C			



Electrical characteristics						
Parameter	Symbol	Test conditions	Min.	Тур.	Max.	Unit
Output Voltage	Vout	louτ =10mA / 5.5V	3.201	3.3	3.399	V
Output Current	Ι _{ουτ}	-	20	30	-	mA
Load Regulation	ΔV _{OUT}	1mA≤ I _{0UT} ≤30mA	-	60	100	mV
Voltage Drop	V _{DIF}	I _{OUT=} 1mA, ΔV _{OUT=} 2%	-	100	-	mV
Current Consumption	lss	No load	-	2.5	4.0	mA
Line Regulation	$\frac{\Delta Vout}{\Delta Vin \times Vout}$	4.5V≤ VIN≤24V / Iouт=1mA	-	0.2	-	%/V
Input Voltage	Vin	-	-	-	28	V
Temperature Coefficient	ΔVour ΔTa	lout=10ma -40 °C≤Ta≤85 °C	-	-/+0.5	-	mV/ºC







Ordering information			
Part Number	Package	Shipping Quantity	Dimensions
HT7133-1	SOT-23	3000 / reel 24 000 / box 120 000 / cartoon	

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