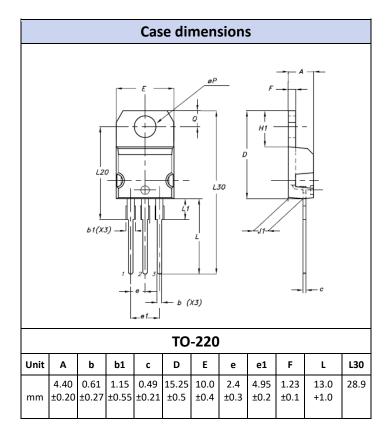


## **Adjustable Voltage Regulator**

Primary characteristics			
Parameter	Value	Unit	
Output voltage	11.4 ~ 12.6	V	
Output current	1.2	Α	

## **Features**

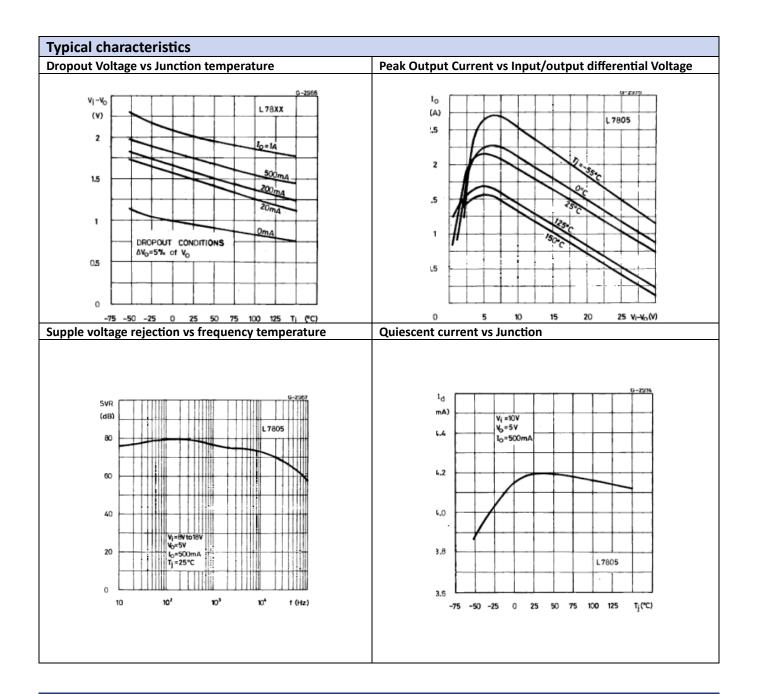
- Pb-free and **RoHS** compliant
- Short circuit protection
- Thermal overload protection
- Output transition SOA protection



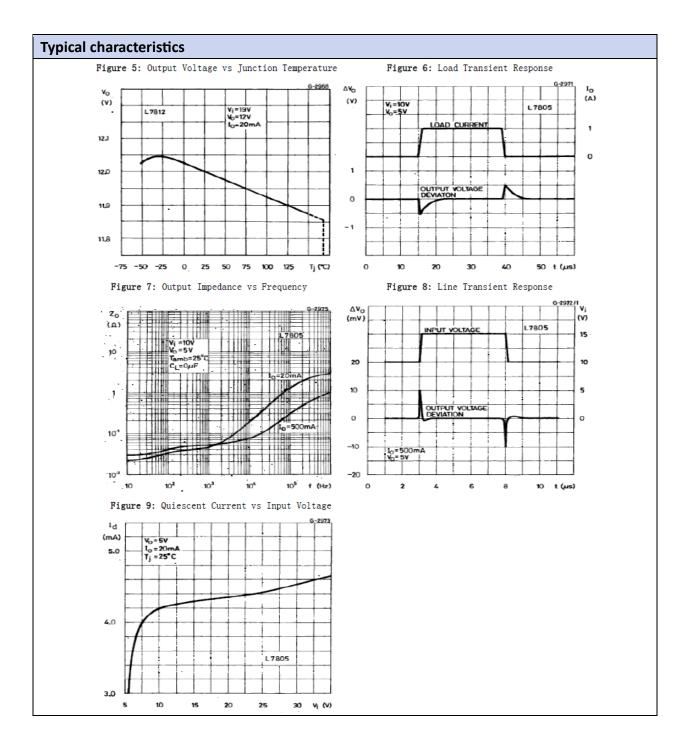
Absolute maximum ratings					
Parameter	Symbol	Rating	Unit		
Typical output voltage	Vo	12	V		
Output current	lo	Internally limited			
Operating temperature	T <sub>OPR</sub>	-40 ~ +105	°C		
Storage Temperature	T <sub>STG</sub>	-60 ~ +150	°C		



Electrical characteristics							
V <sub>IN</sub> -V <sub>OUT</sub> =5.0V, I <sub>OUT</sub> =500mA, I <sub>MAX</sub> =1.5A and P <sub>MAX</sub> =20W, unless otherwise specified							
Parameter	Symbol	Test conditions	Min.	Тур.	Max.	Unit	
Line regulation	$\Delta V_{OUT}$	VI=16V to 22V	-	-	120	mV	
Load regulation	ΔV <sub>OUT</sub>	TJ = 25°C	-	-	120	mV	
		IO = 250mA to 750mA			120		
Output voltage drift	ΔV/ΔΤ	I <sub>оит</sub> =5.0mА	-	1.5	-	mV/°C	
Short Circuit Current	I <sub>O(MIN)</sub>	V <sub>IN</sub> -V <sub>OUT</sub> =40V	-	-	10	mA	
Maximum output current	Isc	TJ = 25°C; V <sub>I</sub> = 35V	-	0.35		А	









Ordering information			
Part Number	Package	Shipping Quantity	Dimensions
L7812CV	TO-220	1000	

## **Disclaimer**

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