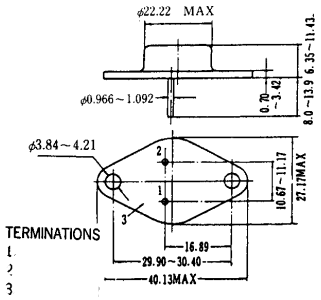
LM7812K

Voltage Regulators

TO-3



PINOUTS
1.INPUT
2.OUTPUT
3.GND

Features

- Output current in excess of 1A
- Internal thermal overload protection
- No external components required
- Output transistor sate area protection
- Internal short circuit current limit
- Available in the alumnum TO-3 package

Absolute Maximum Ratings

Parameters	SYMPOL	Values		UNITS
		MIN	MAX	
Input Voltage	VIN		35	V
Power Dissipation	PD		15	W
Operating Temperature Range		-20	80	℃
Storage Temperature Range		-55	150	℃

ELECTRICAL CHARACTERISTICS

Parameter and Conditons	Values			UNIT
	MIN	TYP	MAX	
Output Voltage VIN = 14.5-27V Io = 5mA-1.0A PD〈= 15W	11.4	12	12.6	V
Line Regulation VIN = 14.5-30V Io = 500mA			160	mV
Load Regulation Io = 5mA-1.5A VIN = 19V			120	mV
Input Voltage	14.5		35	V
Ripple Rejection f = 100Hz VIN = 12V Io = 100mA VIPP = 4V	62			dB
Maxium Output Current		1.5		A
Average TC of VOUT Io = 5mA Tj = 0-125℃		-0.3		mV/℃
Output Noise Voltage f = 10Hz-100kHz		40		μV

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