

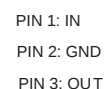


TO-220AB



- Maximum output current IOM:1.2A
- Output voltage VO: 5V

- Case: TO-220 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any



Dimensions in millimeters

Parameter	Symbol	Value	Unit
Input Voltage	V _i	35	V
Thermal Resistance from Junction to Air	R _{θJA}	65	°C/W
Operating Junction Temperature Range	T _{OPR}	0 + 125	°C
Storage Temperature Range	T _{STG}	-65~+150	°C

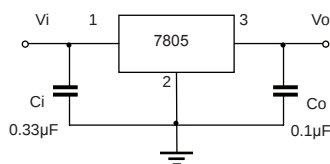
(Vi=10V, Io=500mA, Ci=0.33μF, Co=0.1μF, unless otherwise specified)

Parameter	Symbol	Test conditions		Min	Typ	Max	Unit
Output voltage	Vo		25°C	4.8	5.0	5.2	V
		7V≤V _i ≤20V, I _o =5mA-1A	-25-125°C	4.75	5.00	5.25	V
Load Regulation	△Vo	I _o =5mA-1.5A	25°C		9	100	mV
		I _o =250mA-750mA	25°C		4	50	mV
Line regulation	△Vo	7V≤V _i ≤25V	25°C		4	100	mV
		8V≤V _i ≤12V	25°C		1.6	50	mV
Quiescent Current	Iq		25°C		5	8	mA
Quiescent Current Change	△Iq	7V≤V _i ≤25V	-25-125°C		0.3	1.3	mA
		5mA≤I _o ≤1A	-25-125°C		0.03	0.5	mA
Output Noise Voltage	V _N	10Hz≤f≤100KHz	25°C		42		uV
Output voltage drift	△Vo/△T	I _o =5mA	-25-125°C		-0.8		mV/°C
Ripple Rejection	RR	8V≤V _i ≤18V, f=120Hz	-25-125°C	62	73		dB
Dropout Voltage	Vd	I _o =1A	25°C		2		μV/Vo
Output resistance	R _o	f=1KHz	25°C		15		mΩ
Short Circuit Current	Isc		25°C		230		mA
Peak Current	Ipk		25°C		2.2		A

* Pulse test.



TYPICAL APPLICATION



Note: Bypass capacitors are recommended for optimum stability and transient response and should be located as close as possible to the regulators.

