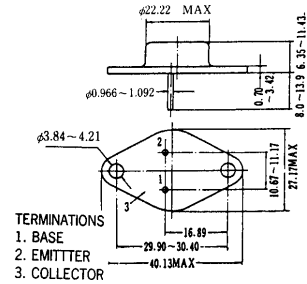




## Features

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



## Absolute Maximum Ratings

Parameters	SYMPOL	Values		UNITS
		MIN	MAX	
Input Voltage	V <sub>IN</sub>		35	V
Power Dissipation	PD		5	W
Operating Temperature Range		-20	80	°C
Storage Temperature Range		-55	150	°C

## ELECTRICAL CHARACTERISTICS

Parameter and Conditions	Values			UNIT
	MIN	TYP	MAX	
Output Voltage V <sub>IN</sub> = 14.5-27V I <sub>o</sub> = 5mA-1.0A PD <= 15W	11.4	12	12.6	V
Line Regulation V <sub>IN</sub> = 14.5-30V I <sub>o</sub> = 500mA				mV
Load Regulation I <sub>o</sub> = 5mA-1.5A V <sub>IN</sub> = 19V			0	mV
Input Voltage			35	V
Ripple Rejection f = 100Hz V <sub>IN</sub> = 12V I <sub>o</sub> = 100mA V <sub>IPP</sub> = 4V	62			dB
Maximum Output Current		1.5		A
Average TC of V <sub>OUT</sub> I <sub>o</sub> = 5mA T <sub>j</sub> = 0-125°C		-0.3		mV/°C
Output Noise Voltage f = 10Hz-100kHz		40		μV