



Micro Commercial Components

Micro Commercial Components  
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## MC79L15BP

### Three-Terminal Low Current Negative Voltage Regulator

#### Features

- Case Material: Molded Plastic. UL Flammability Classification Rating 94-0 and MSL Rating 1
- Internal Short Circuit Current Limiting
- Internal Thermal Overload Protection
- No External Components Required
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

#### Absolute Maximum Ratings

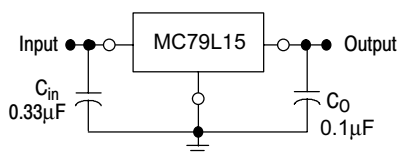
Parameter	Symbol	Value	Unit
Input Voltage	$V_{in}$	35	V
Operating Junction Temperature	$T_{OPR}$	0---+125	°C
Storage Temperature Range	$T_{STG}$	-55---+150	°C

#### Electrical Characteristics ( $V_i = 23V$ , $I_o = 40mA$ , $0^\circ C < T_j < 125^\circ C$ , $C_1 = 0.33\mu F$ , $C_o = 0.1\mu F$ , unless otherwise specified)

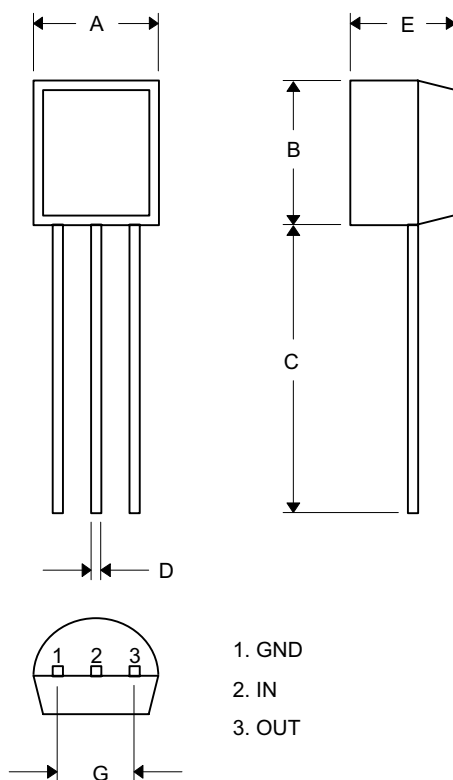
Parameter	Sym	Min	Typ	Max	Test conditions
Output Voltage	$V_o$	14.4V	15.0V	15.6V	
Load Regulation	$V_o - I_o$		25mV	150mV	$I_o = 1mA - 100mA$ , $V_i = 23V$
Line regulation	$V_o - V_i$		65mV	300mV	$17.5V \leq V_i \leq 30V$ , $I_o = 40mA$
Quiescent Current	$I_q$			6.5mA	
Output Noise Voltage	$V_N$		90uV		$10Hz \leq f \leq 100KHz$
Ripple Rejection	RR	34dB	39dB		$18.5V \leq V_i \leq 28.5V$ , $f = 120Hz$

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

#### Typical Application:



#### TO-92



1. GND
2. IN
3. OUT

#### DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.175	.185	4.45	4.70	
B	.175	.185	4.46	4.70	
C	.500	—	12.7	—	
D	.016	.020	0.41	0.63	
E	.135	.145	3.43	3.68	
G	.095	.105	2.42	2.67	



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## Ordering Information

Device	Packing
(Part Number)-AP	Ammo Packing;2Kpcs/AmmoBox
(Part Number)-BP	Bulk;1Kpcs/Bag

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