



Micro Commercial Components

Micro Commercial Components
20736 Marilla Street Chatsworth
CA 91311

Phone: (818) 701-4933

Fax: (818) 701-4939

MC79L06BP

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

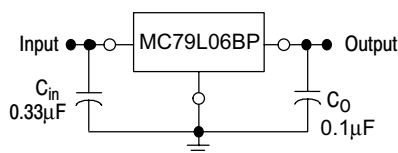
Parameter	Symbol	Value	Unit
Input Voltage	V_1	30	V
Operating Junction Temperature	T_{OPR}	-30---+75	°C
Storage Temperature Range	T_{STG}	-40---+125	°C

Electrical Characteristics ($V_i=12V$, $I_o=40mA$, $0^\circ C < T_j < 125^\circ C$, $C_1=0.33\mu F$, $C_o=0.1\mu F$, unless otherwise specified)

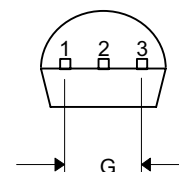
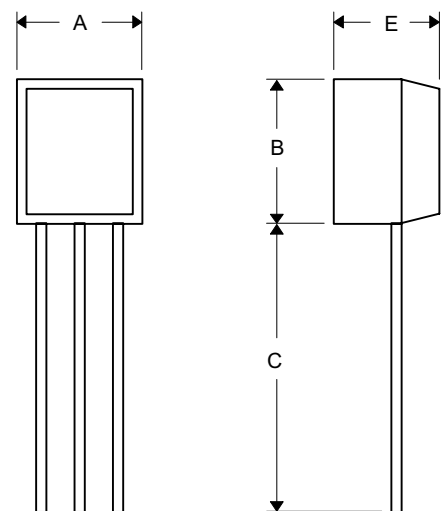
Parameter	Sym	Min	Typ	Max	Test conditions
Output Voltage	V_o	5.76V	6.0V	6.24V	$V_i=12V$, $I_o=40mA$
Load Regulation	$V_o - I_o$		7.0mV	60mV	$I_o=1mA-100mA$, $V_i=12V$
Line regulation	$V_o - V_i$		15mV	150mV	$8.5V \leq V_i \leq 20V$, $I_o=40mA$
Quiescent Current	I_q		3.5mA	6.0mA	$V_i=12V$, $I_o=40mA$
Output Noise Voltage	V_N		120 μV		$10Hz \leq f \leq 100KHz$ $V_i=12V$, $I_o=40mA$
Ripple Rejection	RR	41dB	71dB		$9V \leq V_i \leq 19V$, $I_o=40mA$ $f=120Hz$, $T_j=25^\circ C$ $e_{IN}=1V_{P-P}$

*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

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	

Ordering Information

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

IMPORTANT NOTICE

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications , enhancements , improvements , or other changes .
Micro Commercial Components Corp. does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights ,nor the rights of others . The user of products in such applications shall assume all risks of such use and will agree to hold *Micro Commercial Components Corp.* and all the companies whose products are represented on our website, harmless against all damages.

APPLICATIONS DISCLAIMER

Products offer by *Micro Commercial Components Corp.* are not intended for use in Medical, Aerospace or Military Applications.