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[Micro Commercial Components \(MCC\)](#)
[MC79L06F-TP](#)

For any questions, you can email us directly:

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M.C.C.

Micro Commercial Components



Micro Commercial Components
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MC79L06F

Three-Terminal Low Current Negative Voltage Regulator

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Maximum Output current I_o :0.1A
- Internal Short Circuit Current Limiting
- Internal Thermal Overload Protection
- No External Components Required
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

Absolute Maximum Ratings

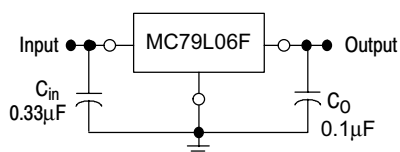
Parameter	Symbol	Value	Unit
Input Voltage	V_i	-30	V
Operating Junction Temperature	T_{OPR}	-30---+75	°C
Storage Temperature Range	T_{STG}	-40---+125	°C

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

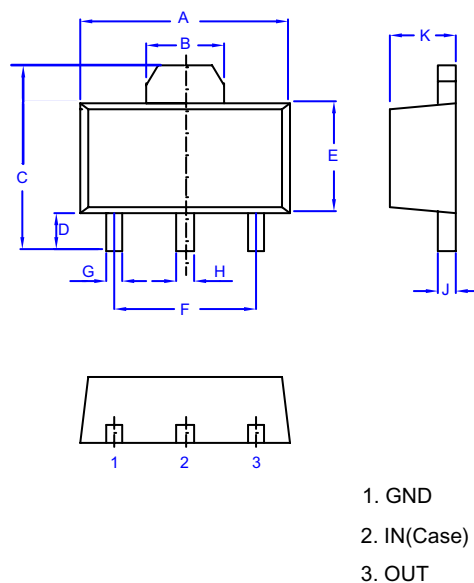
Parameter	Sym	Min	Typ	Max	Test conditions
Output Voltage	V_o	-5.76V	-6.0V	-6.24V	V_i =-12V, I_o =40mA
Load Regulation	$V_o - I_o$		7.0mV	60mV	I_o =1mA-100mA, V_i =-12V
Line regulation	$V_o - V_i$		15mV	150mV	-8.5V $\leq V_i \leq$ -20V, I_o =40mA
Quiescent Current	I_q		3.5mA	6.0mA	V_i =-12V, I_o =40mA
Output Noise Voltage	V_N		120uV		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°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:



SOT-89



DIMENSINS					
DIM	INCHES		MM		NOTES
	MIN	MAX	MIN	MAX	
A	.173	.181	4.39	4.60	REF.
B	.061	----	1.55	----	
C	.154	.165	3.91	4.25	
D	.031	.039	0.80	1.00	
E	.092	.100	2.34	2.54	TYP
F	.118	----	3.00	----	
G	.013	.019	0.33	0.48	
H	.015	.021	0.38	0.53	
J	.015	.016	0.38	0.41	
K	.055	.063	1.40	1.60	



TM

Micro Commercial Components

Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel; 1Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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