



Micro Commercial Components



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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

Absolute Maximum Ratings

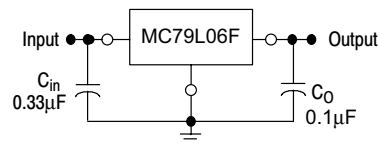
Parameter	Symbol	Value	Unit
Input Voltage	V_i	-30	V
Operating Junction Temperature	T_{OPR}	-30---+75	°C
Storage Temperature Range	T_{STG}	-40---+125	°C

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		$10\text{Hz} \leq f \leq 100\text{KHz}$, 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

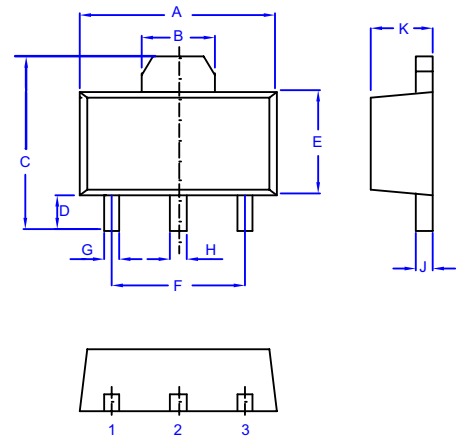
Typical Application:



MC79L06F

Three-Terminal Low Current Negative Voltage Regulator

SOT-89



1. GND
2. IN(Case)
3. OUT

DIMENSINS					
DIM	INCHES		MM		NOTES
	MIN	MAX	MIN	MAX	
A	.173	.181	4.39	4.60	
B	.061	----	1.55	----	REF.
C	.154	.165	3.91	4.25	
D	.031	.039	0.80	1.00	
E	.092	.100	2.34	2.54	
F	.118	----	3.00	----	TYP
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	

Ordering Information :

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

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