Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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Obsolete

Micro Commercial Components

Micro Commercial Components
20736 Marilla Street Chatsworth
CA 91311
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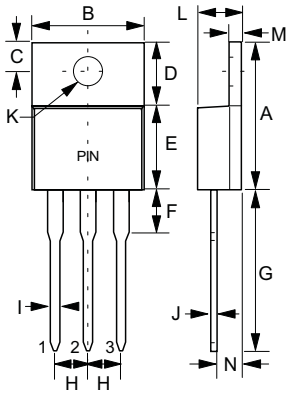
MC7912CT

Three-Terminal Negative Voltage Regulators

Features

- Output current in excess of 1.0 Ampere
- No external components required
- Internal thermal overload protection
- Internal short-circuit current limiting
- Output voltage offered in 2% tolerance
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0

TO-220



PIN 1. GND
PIN 2. INPUT
PIN 3. OUTPUT

Maximum Ratings @ T_A=25°C, Unless Otherwise Noted

Parameter	Symbol	Value	Unit
Input Voltage	V_i	-35	V
Operating Ambient Temperature	P_D	15	W
Operating Junction Temperature	T_{OPR}	0---+150	°C
Storage Temperature Range	T_{STG}	-55---+150	°C

DIMENSIONS

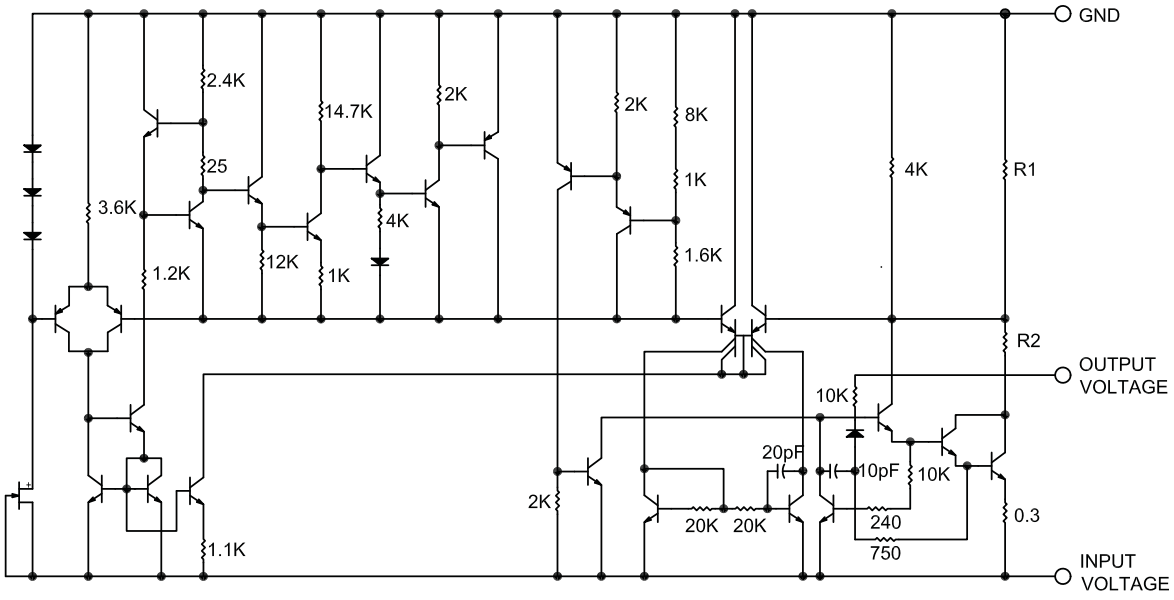
DIM	INCHES MIN	INCHES MAX	MM MIN	MM MAX	NOTE
A	.560	.625	14.22	15.88	
B	.380	.420	9.65	10.67	
C	.100	.135	2.54	3.43	
D	.230	.270	5.84	6.86	
E	.380	.420	9.65	10.67	
F	------	.250	------	6.35	
G	.500	.580	12.70	14.73	
H	.090	.110	2.29	2.79	
I	.020	.045	0.51	1.14	
J	.012	.025	0.30	0.64	
K	.139	.161	3.53	4.09	∅
L	.140	.190	3.56	4.83	
M	.045	.055	1.14	1.40	
N	.080	.115	2.03	2.92	

MC7912CT

Electrical Characteristics (Vi=19V, Io=500mA, 0°C<Tj<125°C, Ci=2.0uF, Co=1.0uF, Unless Otherwise Specified)

Parameter	Sym	Min	Typ	Max	Test conditions
Output Voltage	V_0	-11.76V	-12V	-12.24V	T_j=25°C
		-11.66V		-12.34V	-14.5V≦V_I≦-27V, 5mA≦I_O≦1.0A, P_D=15W
Load Regulation	$\triangle V_o$		12mV	240mV	5.0mA≦I_O≦1.5A, T_j=25°C,
			4.0mV	120mV	250mA≦I_O≦750mA, T_j=25°C
Line regulation	$\triangle V_o$		10mV 3.0mV	240mV 120mV	-14.5V≦V_I≦-30V, T_j=25°C -16V≦V_I≦-22V, T_j=25°C
Quiescent Current	I_q		2.5mA	5.0mA	T_j=25°C, I_O=0
Quiescent Current Change	$\triangle I_q$			1.0mA 0.5mA	-14.5V≦V_I≦-30V 5mA≦I_o≦1.0A
Output Noise Voltage	V_N		75μV		10Hz≦f≦100KHz T_j=25°C
Ripple Rejection	RR	55dB	70dB		f=120Hz
Dropout Voltage	V_d		1.1V		I_O=1.0A, T_j=25°C
Peak Output Current	I_{opeak}		2.1A		T_j=25°C
Temperature Coefficient of Output voltage	$\triangle V_O/\triangle Tj$		-0.8mV/°C		0°C≦Tj≦125°C, I_O=5mA

Representation Schematic Diagram



Micro Commercial Components

Ordering Information

Device	Packing
(Part Number)-BP	Bulk;1Kpcs/Box