

Features

- Case Material: Molded Plastic. UL Flammability Classificatio 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)

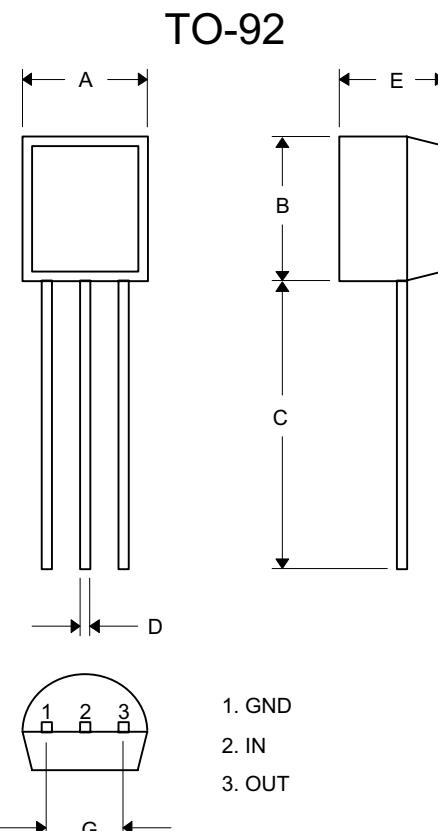
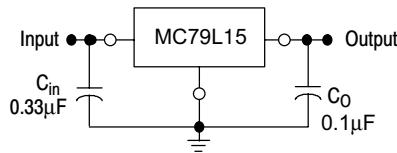
Absolute Maximum Ratings

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 ($V_i=23$ V, $I_o=40$ mA, 0 °C $< T_j < 125$ °C, $C_1=0.33\mu F$, $C_0=0.1\mu F$, 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	$I_o=1$ mA-100mA, $V_i=23$ V
Line regulation	$V_o - V_i$		65mV	300mV	$17.5V \leq V_i \leq 30V, I_o=40$ mA
Quiescent Current	I_q			6.5mA	
Output Noise Voltage	V_N		90uV		$10Hz \leq f \leq 100KHz$
Ripple Rejection	RR	34dB	39dB		$18.5V \leq V_i \leq 28.5V, f=120$ Hz

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

Typical Application:

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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