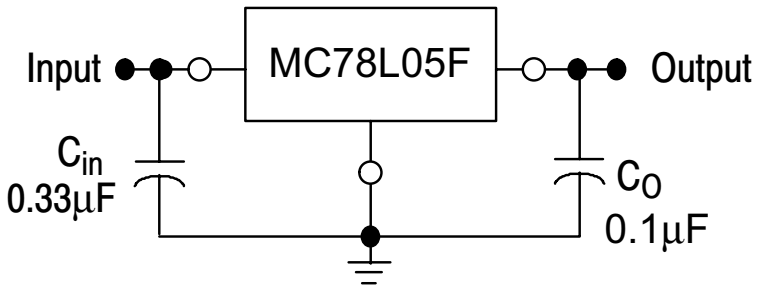
Electrical Characteristics

(V_i=10V, I_o=40mA, 0°C＜T_j＜ 120 °C,C_i=0.33uF, C_o=0.1uF,Unless Otherwise Specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output Voltage	Vo	T_j=25°C	4.8	5.0	5.2	V
		7V≤V_1≤20V, I_o=1mA-40mA	4.7	-	5.25	V
			5.0			V
		7V≤V_1≤V_{MAX} I_o=1mA-700mA(Note2)	4.7	-	5.25	V
			5.0			V
Load Regulation	△Vo	I_o=1mA-100mA,T_j=25°C	-	11	60	mV
		I_o=1mA-40mA, T_j=25°C	-	5.0	30	mV
Line Regulation	△Vo	7V≤V_1≤20V,T_j=25°C	-	8	150	mV
		8V≤V_1≤20V,T_j=25°C	-	6	100	mV
Quiescent Current	Iq		-	2.0	5.5	mA
Quiescent Current Change	$\triangle I_q$	8V≤V_1≤20V	-	-	1.5	mA
		1mA≤I_o≤40mA	-	-	0.1	mA
Output Noise Voltage	V_N	10Hz≤f≤100KHz	-	40	-	μV
Ripple Rejection	RR	8V≤V_1≤20V,f=120Hz,T_j=25°C	41	80	-	dB
Dropout Voltage	V_d	T_j=25°C	-	1.7	-	V

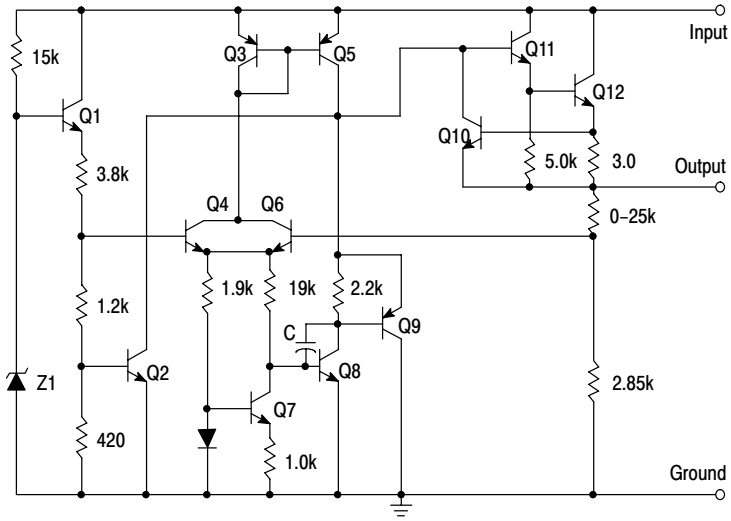
Note: 2.Bypass Capacitors are Recommended for Optimum Stability and Transient Response and should be Located as Close as Possible to The Regulators

Typcial Application



Curve Characteristics

Figure 1. Representative Schematic Diagram



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

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