

Electrical Characteristics

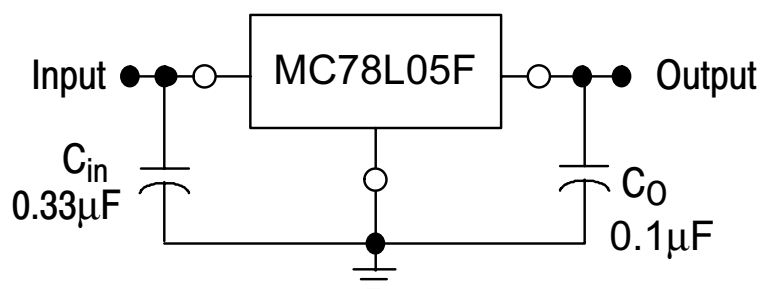
($V_i=10V$, $I_o=40mA$, $0^{\circ}C < T_j < 120^{\circ}C$, $C_i=0.33\mu F$, $C_o=0.1\mu F$, Unless Otherwise Specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output Voltage	V_o	$T_j=25^{\circ}C$	4.8	5.0	5.2	V
		$7V \leq V_1 \leq 20V$, $I_o=1mA-40mA$	4.7	-	5.25	V
			5.0			V
		$7V \leq V_1 \leq V_{MAX}$ $I_o=1mA-700mA$ (Note1)	4.7	-	5.25	V
			5.0			V
Load Regulation	ΔV_o	$I_o=1mA-100mA$, $T_j=25^{\circ}C$	-	11	60	mV
		$I_o=1mA-40mA$, $T_j=25^{\circ}C$	-	5.0	30	mV
Line Regulation	ΔV_o	$7V \leq V_1 \leq 20V$, $T_j=25^{\circ}C$	-	8	150	mV
		$8V \leq V_1 \leq 20V$, $T_j=25^{\circ}C$	-	6	100	mV
Quiescent Current	I_q		-	2.0	5.5	mA
Quiescent Current Change	ΔI_q	$8V \leq V_1 \leq 20V$	-	-	1.5	mA
		$1mA \leq I_o \leq 40mA$	-	-	0.1	mA
Output Noise Voltage	V_N	$10Hz \leq f \leq 100KHz$	-	40	-	μV
Ripple Rejection	RR	$8V \leq V_1 \leq 20V$, $f=120Hz$, $T_j=25^{\circ}C$	41	80	-	dB
Dropout Voltage	V_d	$T_j=25^{\circ}C$	-	1.7	-	V

Note:

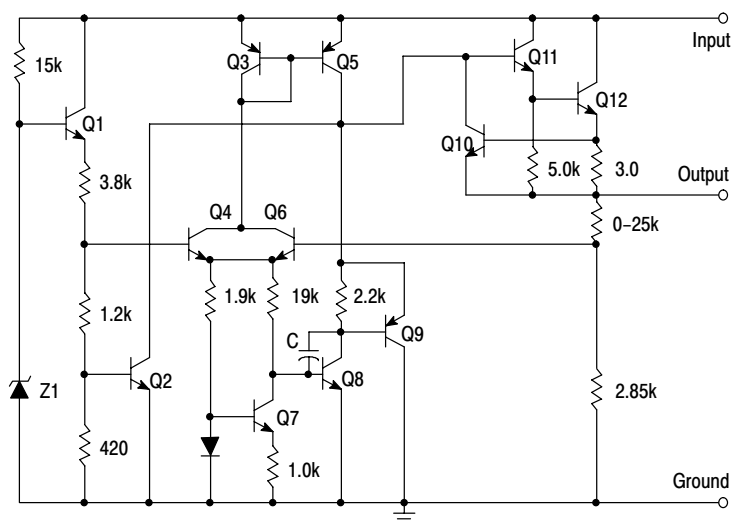
1. Bypass Capacitors are Recommended for Optimum Stability and Transient Response and should be Located as Close as Possible to The Regulators

Typical Application



Curve Characteristics

Figure 1. Representative Schematic Diagram



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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