



极限值：(Ta=25°C)

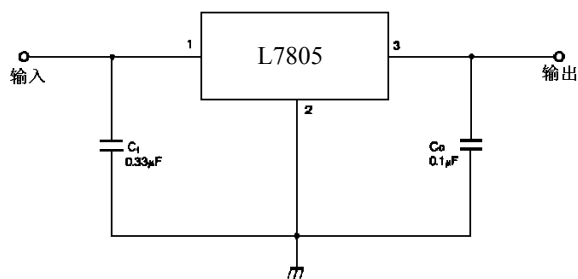
参数名称	符号	数值	单位
输入电压	Vi	35	V
热阻	R <sub>JC</sub>	5	°C/W
	R <sub>JA</sub>	65	°C/W
工作工作范围	T <sub>OPR</sub>	0~+125	°C
贮存温度范围	T <sub>STG</sub>	-65~+150	°C

电特性：

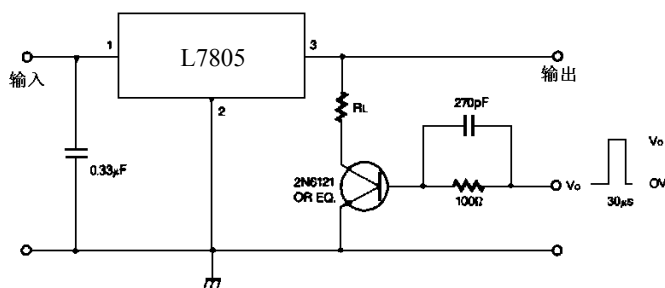
(若无其它规定：0°C < T<sub>J</sub> < 125°C, Vi=10V, Ci=0.33μF, Co=0.1μF)

参数名称	符号	测试条件	最小	典型	最大	单位
输出电压	Vo	T <sub>J</sub> =+25°C	4.8	5.0	5.2	V
		5.0mA I <sub>o</sub> 1.0A, Po 15W Vi=7V to 20V	4.75	5.0	5.25	
线性调整率*	Regline	T <sub>J</sub> =+25°C	Vi=7V to 25V Io=500mA	4.0	50	mV
			Vi=8V to 12V Io=1.2A	1.6	25	
负载调整率*	Regload	T <sub>J</sub> =+25°C	Io=5.0mA to 1.5A	9	50	mV
			Io=250mA to 750mA	4	25	
静态电流	I <sub>Q</sub>	T <sub>J</sub> =+25°C		5.0	8.0	mA
静态电流改变	I <sub>Q</sub>	Io=5.0mA to 1.0A		0.03	0.5	mA
		Vi=7V to 25V		0.3	1.0	
输出电压漂移	Vo/ T	Io=5.0mA		-0.8		mV/°C
输出噪声电压	V <sub>N</sub>	f=10Hz 至 100KHz, T <sub>A</sub> =+25°C		42		μV/Vo
纹波抑制	RR	f=120Hz Vi=8V to 18V	62	73		dB
漏电压	V <sub>Drop</sub>	Io=1.2A, T <sub>J</sub> =+25°C		2		V
输出电阻	r <sub>O</sub>	f=1KHz		15		m
短路电流	I <sub>SC</sub>	Vi=35V, T <sub>J</sub> =+25°C		230		mA
峰值电流	I <sub>PK</sub>	T <sub>J</sub> =+25°C		2.2		A

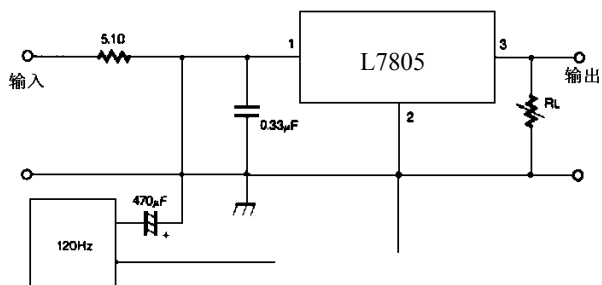
应用图：



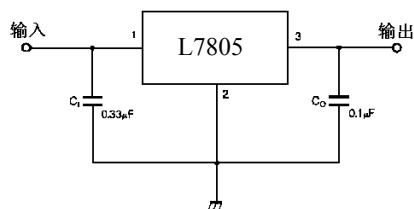
直流参数



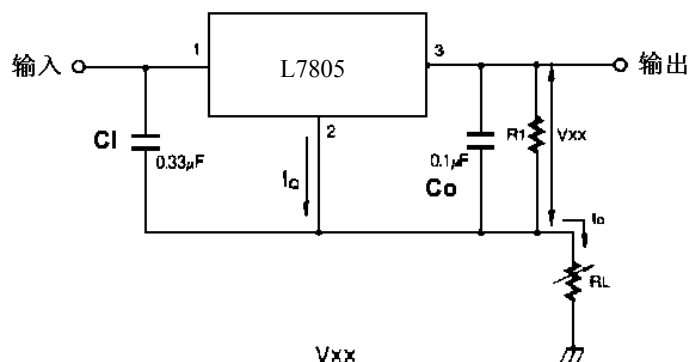
负载调整



纹波抑制

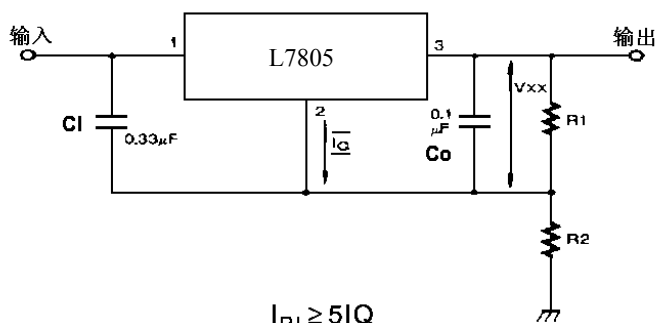


固定输出调整



$$I_o = \frac{V_{XX}}{R_1} + I_Q$$

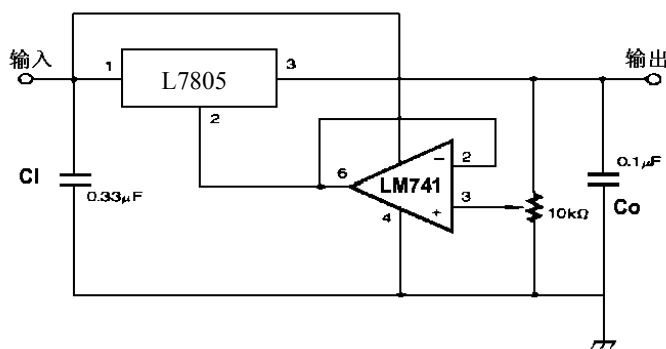
恒流调整



$$I_{R1} \geq 5I_Q$$

$$V_O = V_{XX}(1+R_2/R_1)+I_Q R_2$$

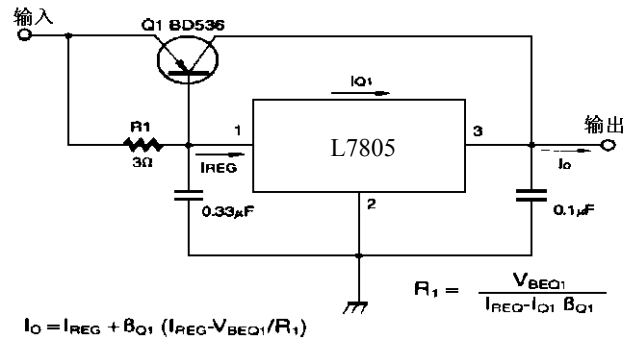
输出电压升高电路



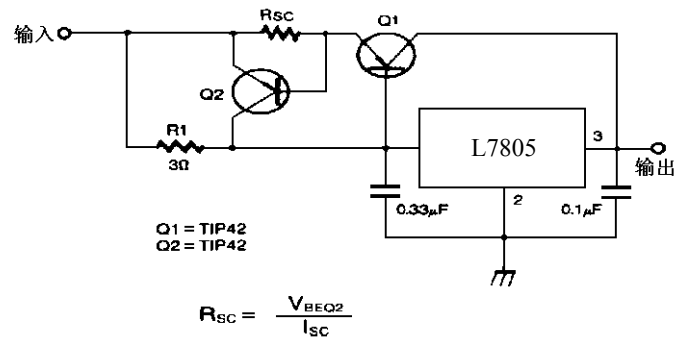
$$I_{R1} \geq 5I_Q$$

$$V_O = V_{XX}(1+R_2/R_1)+I_Q R_2$$

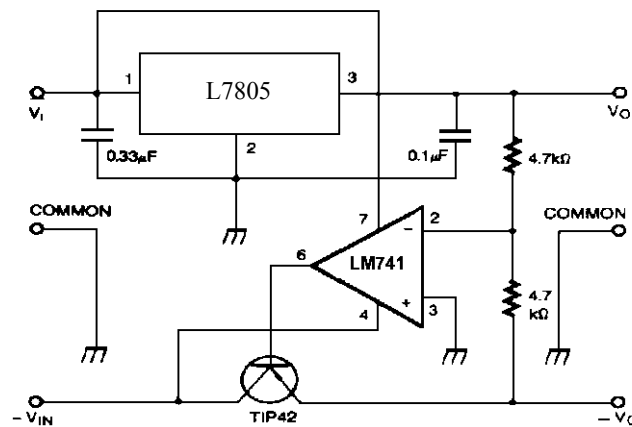
输出电压调整 (7 to 30V)



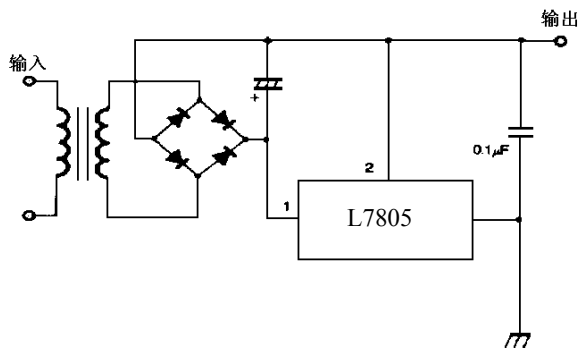
高电流电压调整



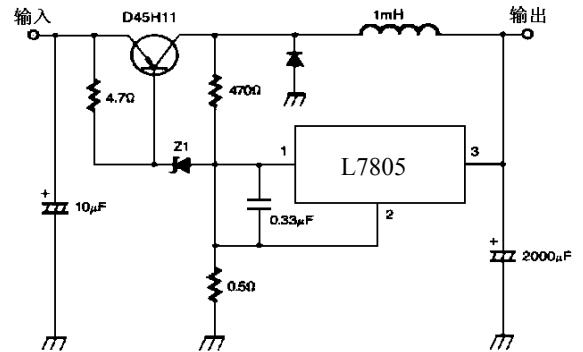
短路保护高输出电流



跟踪电压调整

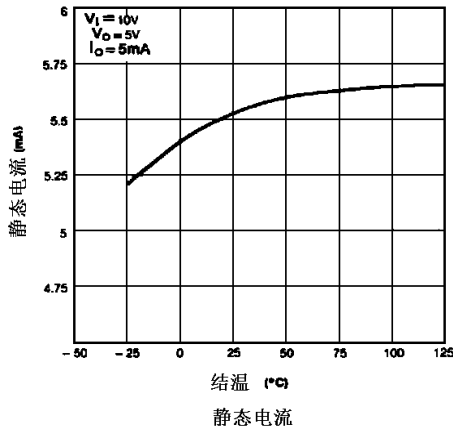


负输出电压电路

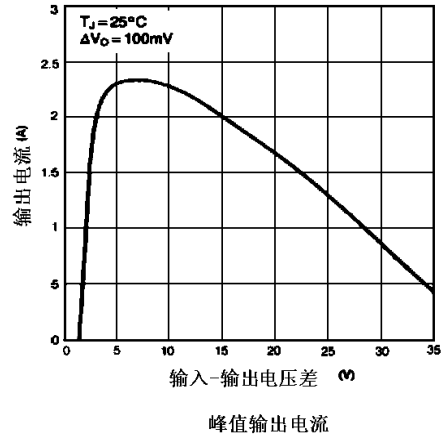


开关调整

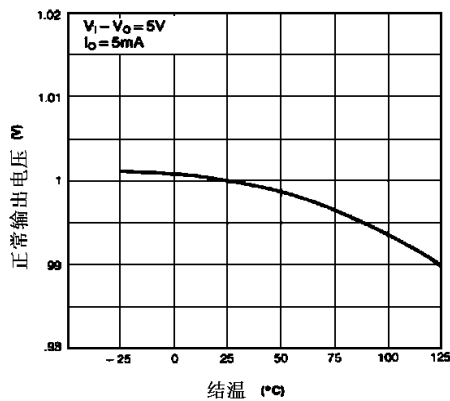
特性曲线：



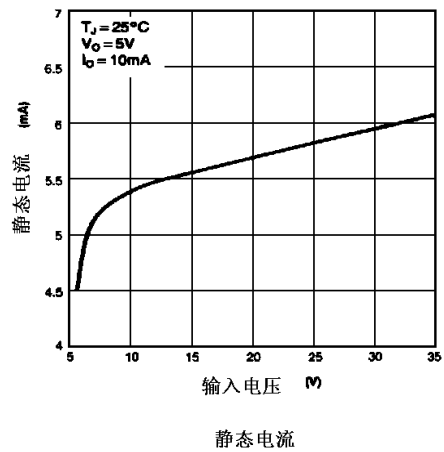
静态电流



峰值输出电流



输出电压



静态电流