

- TO-220 塑封封装电压调整器

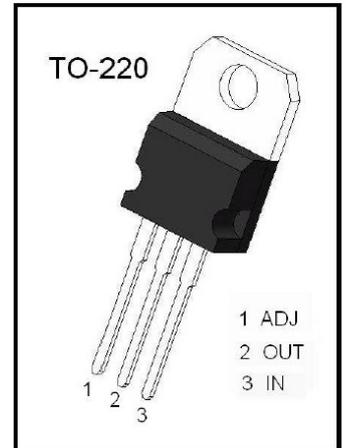
- 用途:

电压调整器

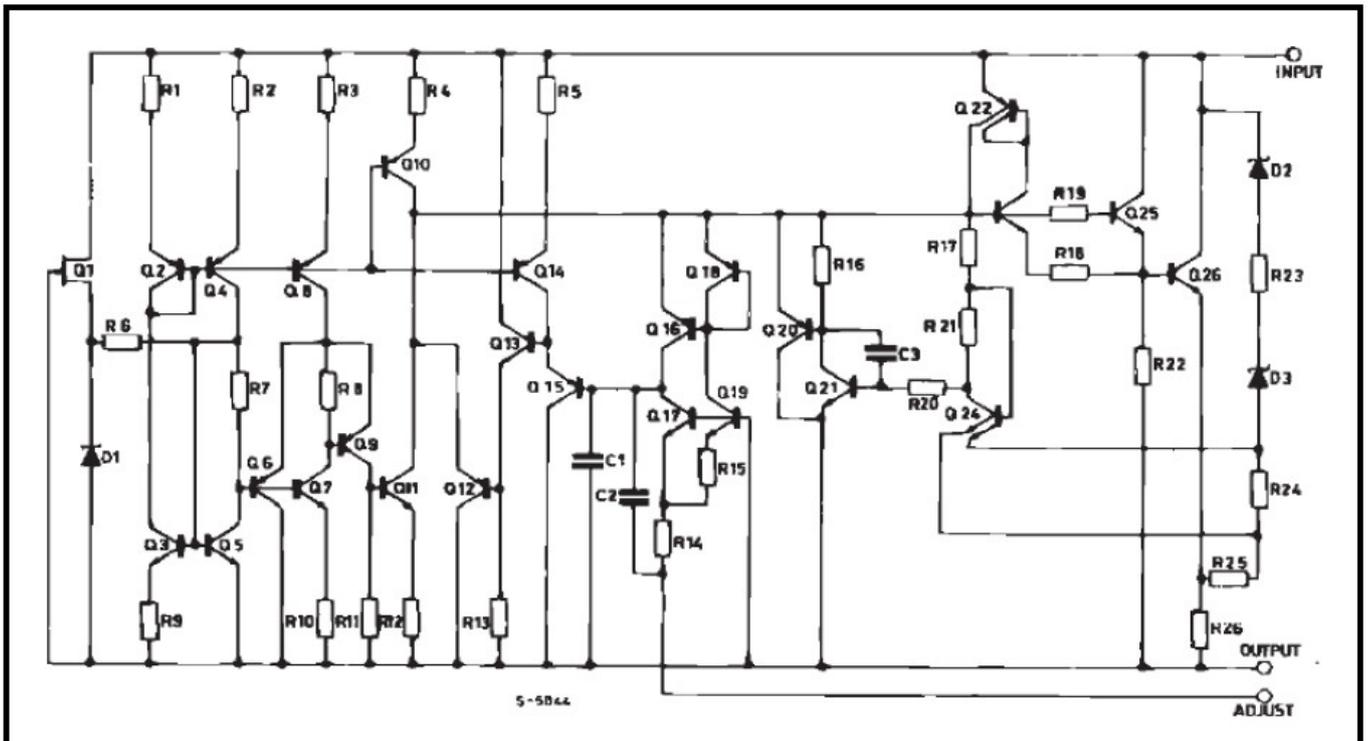
- 特点:

三端稳压调整器，输出电流超过 1.5A，

稳压输出电压在 1.2-37V 之间可调



- 内部等效电路:



● 极限参数(Ta=25°C)

Symbol	Parameter	Value	Unit
V _{I-O}	Input-output Differential Voltage	40	V
I _O	Output Current	Intenrally Limited	
V _O	Out put Voltage	5	V
T _{OP}	Operating Junction Temperature	0~+125	°C
T _{STG}	Storage Temperature	-60~+150	°C

● 电参数(Ta=25°C)

(Vi - Vo = 5 V, Io = 500 mA, IMAX = 1.5A and PMAX = 20W, unless otherwise specified)

Parameter	Symbol	Conditions	Value			Unit	
			Min	Typ	Max		
Line Regulation	ΔV_O	Vi-Vo=3 to 40V	Tj=25°C			0.04	%V
						0.07	
Load Regulation	ΔV_O	Vo≤5V Io = 10mA~I _{Max} 1.5A	Tj=25°C			25	mV
						70	
		Vo≥5V Io = 10mA~I _{Max} 1.5A	Tj=25°C			0.5	%V
						1.5	
Adjustment Pin Current	I _{ADJ}	Tj=25°C			100	μA	
Adjustment Pin Current	ΔI_{ADJ}	Vi-Vo = 2.5 to 40V Io = 10mA~I _{Max} 1.5A			5	μA	
Output Voltage Drift	$\Delta V / \Delta T$	Io = 5mA		-0.8		mV/°C	
Reference Voltage (between pin3 and pin1)	V _{REF}	Vi-Vo = 2.5 to 40V Io = 10mA~I _{Max} 1.5A PD ≤ P _{MAX}	1.2	1.25	1.3	V	
Output Voltage Temperature Stability	$\Delta V_O / \Delta V_O$			1		%	
Minimum Load Current	I _{O(min)}	Vi-Vo = 40V			10	mA	
Maximum Load Current	I _{O(max)}	Vi-Vo ≤ 15V, PD < P _{MAX}	1.5			A	
		Vi-Vo = 40V, PD < P _{MAX} , Tj=25°C		0.4			