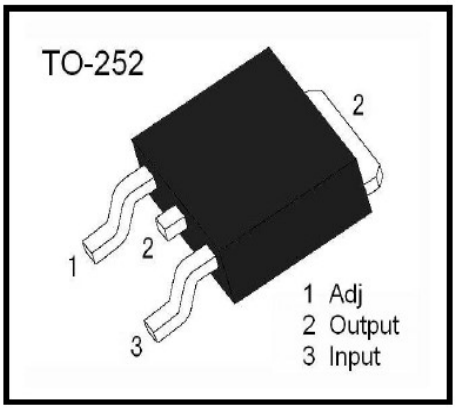
DUC

●TO-252 塑封封装电压调整器



● 用途：

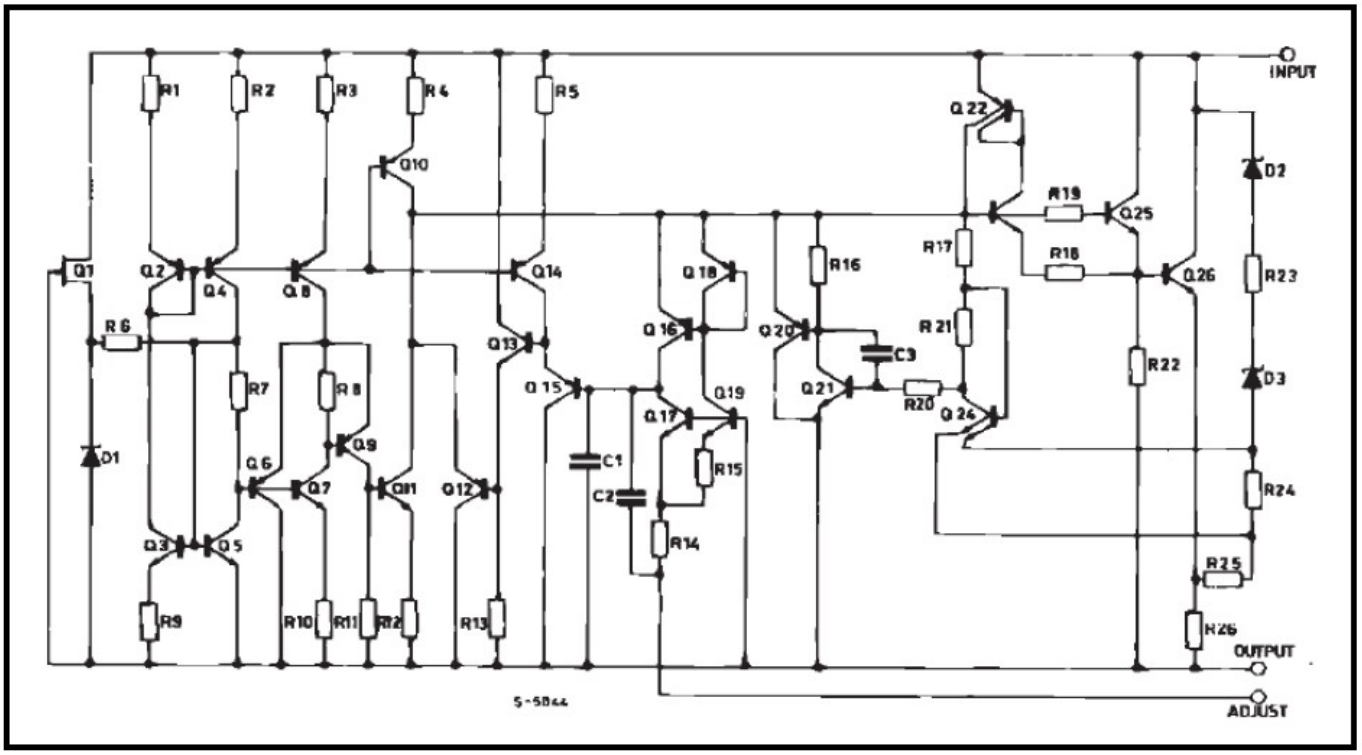
电压调整器

● 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℃)

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	℃
T_{STG}	Storage Temperature	-60～+150	℃

● 电参数(Ta=25℃)

(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℃			0.04	%V
						0.07	
Load Regulation	ΔV_O	$V_o \leqslant 5V$ I_O = 10mA~I_{Max}1.5A	Tj=25℃			25	mV
						70	
		$V_o \geqslant 5V$ I_O = 10mA~I_{Max}1.5A	Tj=25℃			0.5	%V
						1.5	
Adjustment Pin Current	I_{ADJ}	Tj=25℃				100	μA
Adjustment Pin Current	ΔI_{ADJ}	Vi-Vo = 2.5 to 40V I_O = 10mA~I_{Max}1.5A				5	μA
Output Voltage Drift	$\Delta V / \Delta T$	I_O = 5mA			-0.8		mV/℃
Reference Voltage (between pin3 and pin1)	V_{REF}	Vi-Vo = 2.5 to 40V I_O = 10mA~I_{Max}1.5A $P_D \leqslant P_{MAX}$		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, $P_D < P_{MAX}$		1.5			A
		Vi-Vo = 40V，$P_D < P_{MAX}$，Tj=25℃			0.4		