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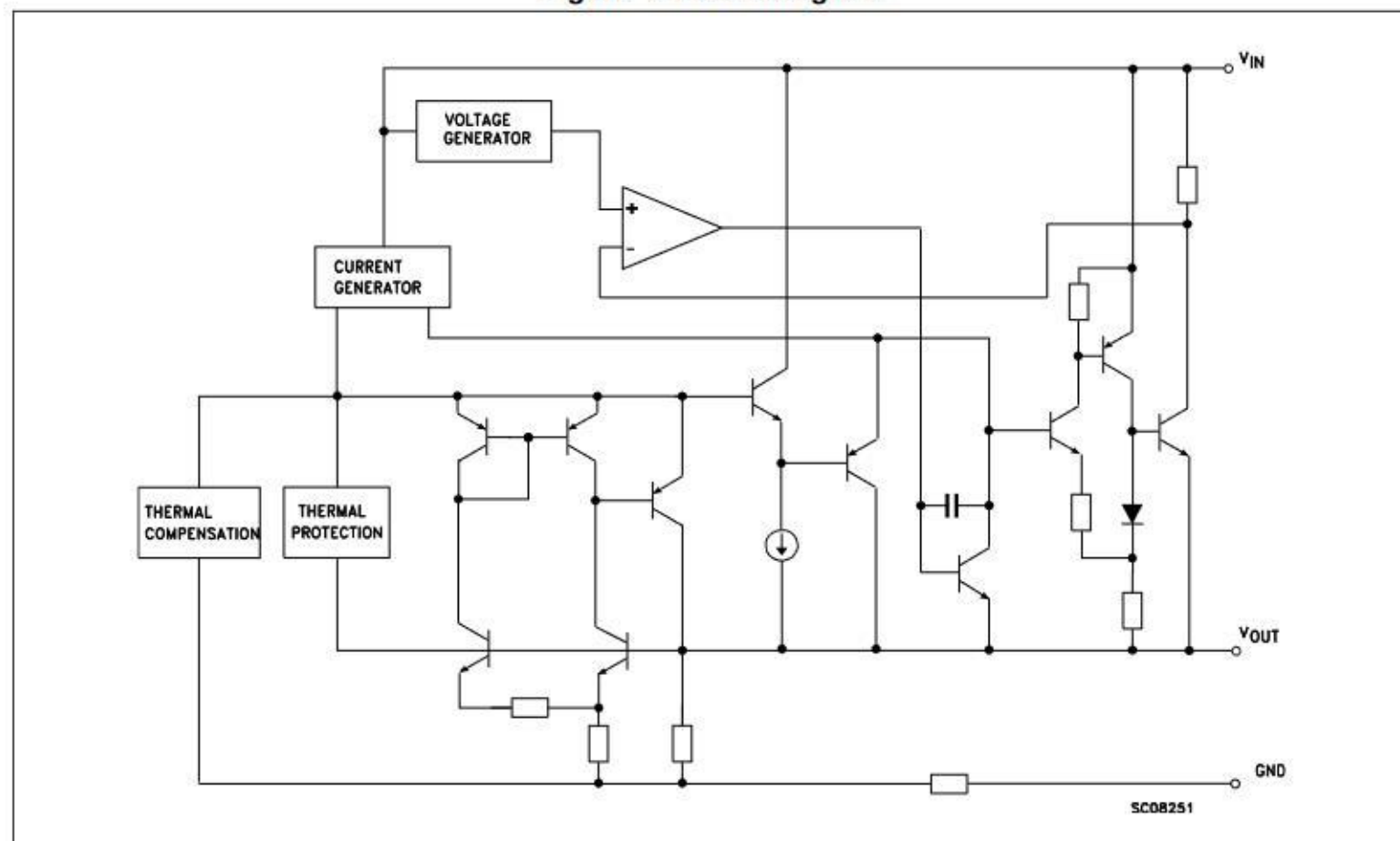
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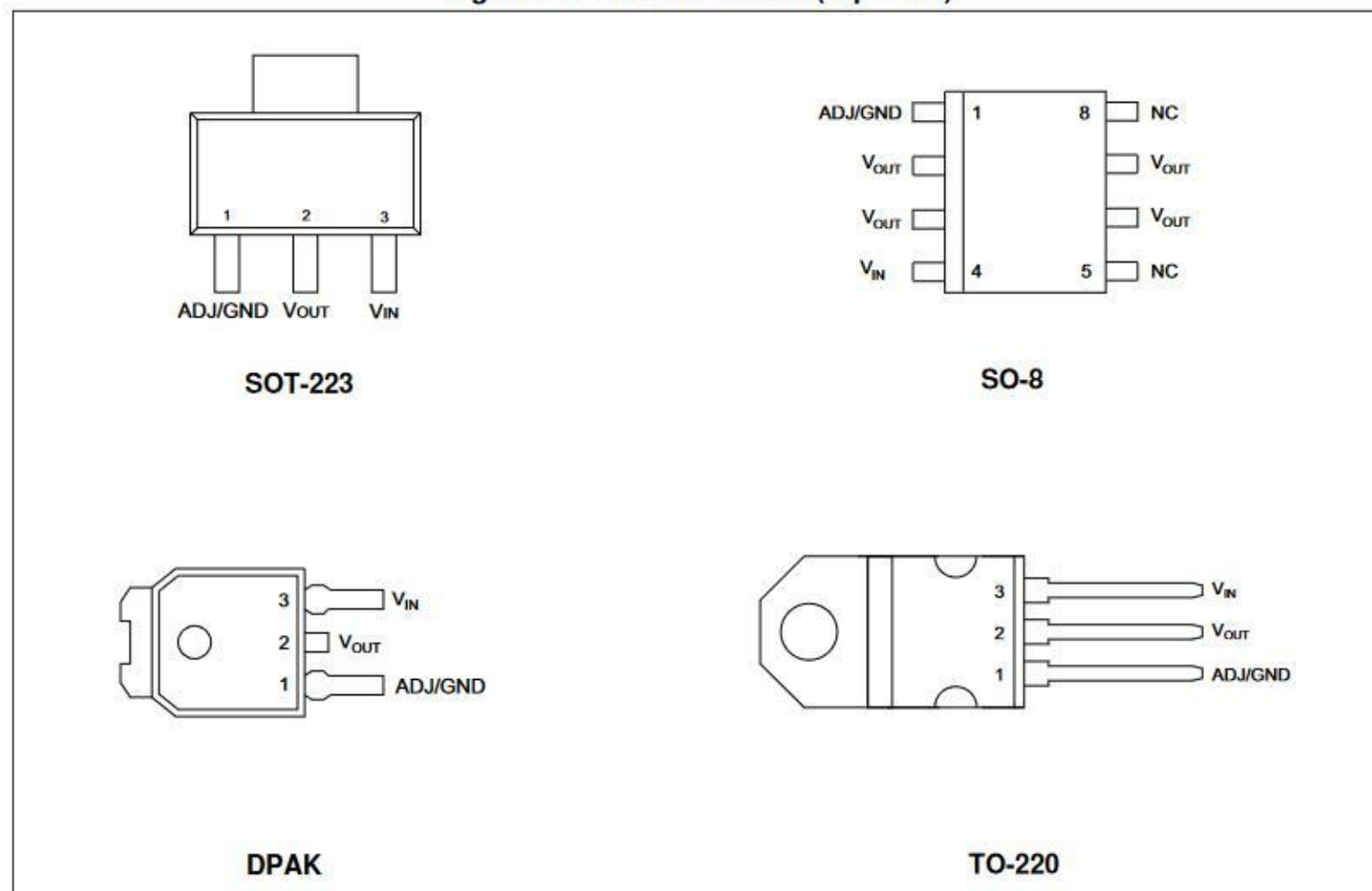
# 1 Diagram

Figure 1. Block diagram



## 2 Pin configuration

Figure 2. Pin connections (top view)



**Note:** The TAB is connected to the  $V_{OUT}$ .

### 3 Maximum ratings

Table 1. Absolute maximum ratings

Symbol	Parameter		Value	Unit
$V_{IN}^{(1)}$	DC input voltage		15	V
$P_{TOT}$	Power dissipation		12	W
$T_{STG}$	Storage temperature range		-40 to +150	°C
$T_{OP}$	Operating junction temperature range	for C version	-40 to +125	°C
		for standard version	0 to +125	°C

1. Absolute maximum rating of  $V_{IN} = 18$  V, when  $I_{OUT}$  is lower than 20 mA.

Table 2. Thermal data

Symbol	Parameter	SOT-223	SO-8	DPAK	TO-220	Unit
$R_{thJC}$	Thermal resistance junction-case	15	20	8	5	°C/W
$R_{thJA}$	Thermal resistance junction-ambient	110	55	100	50	°C/W