

5. Limiting values

Table 5. Limiting values

In accordance with the Absolute Maximum Rating System (IEC 60134).

Symbol	Parameter	Conditions	Min	Max	Unit
V_{CBO}	collector-base voltage	open emitter	-	10	V
V_{CEO}	collector-emitter voltage	open base	-	2.8	V
V_{EBO}	emitter-base voltage	open collector	-	1.0	V
I_C	collector current		-	40	mA
P_{tot}	total power dissipation	$T_{sp} \Omega 90 \text{ } \forall \text{ } \text{C}$	[1]	136	mW
T_{stg}	storage temperature		465	+150	$\forall \text{C}$
T_j	junction temperature		-	150	$\forall \text{C}$

[1] T_{sp} is the temperature at the solder point of the emitter lead.

6. Thermal characteristics

Table 6. Thermal characteristics

Symbol	Parameter	Conditions	Typ	Unit
$R_{th(j-sp)}$	thermal resistance from junction to solder point		440	K/W

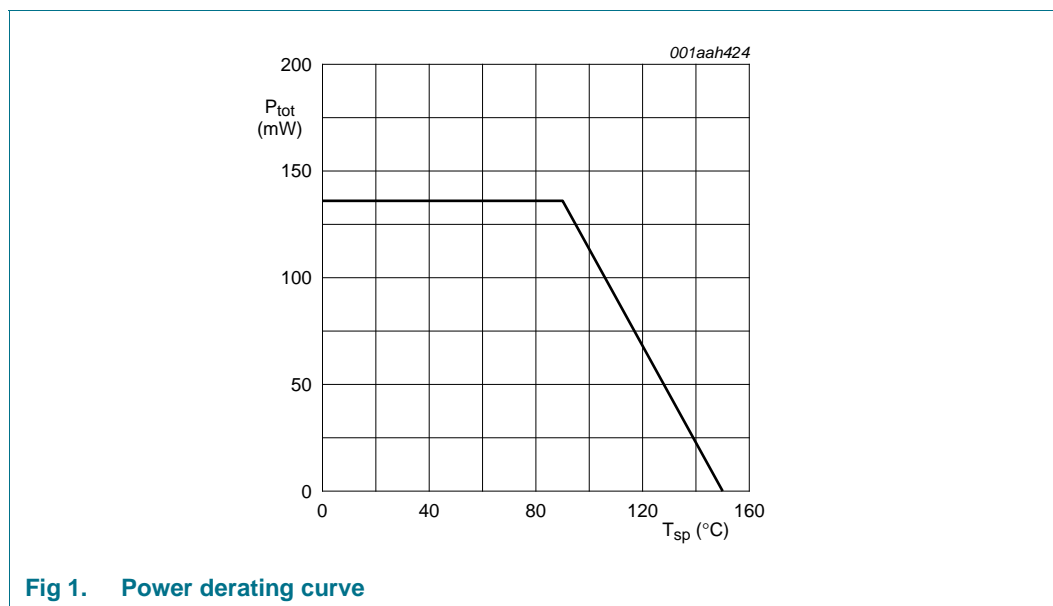


Fig 1. Power derating curve

