

5 é / Descriptions



Silicon PNP transistor in a SOT-23 Plastic Package.

□ a / Features



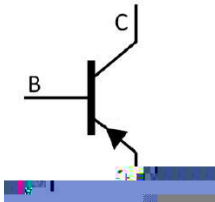
Low $V_{CE(sat)}$, high current, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

Ð ÷ / Applications

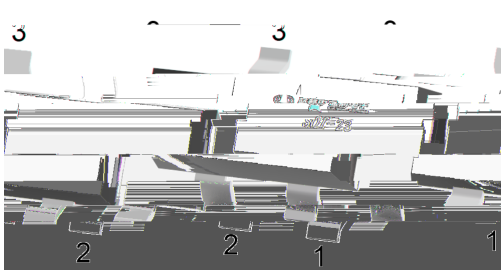


General purpose switching and muting, LCD back-lighting, supply line switching circuits, Meet the stringent requirements of automotive applications.

Ã w] Ô . / Equivalent Circuit



• Ô - æ / Pinning



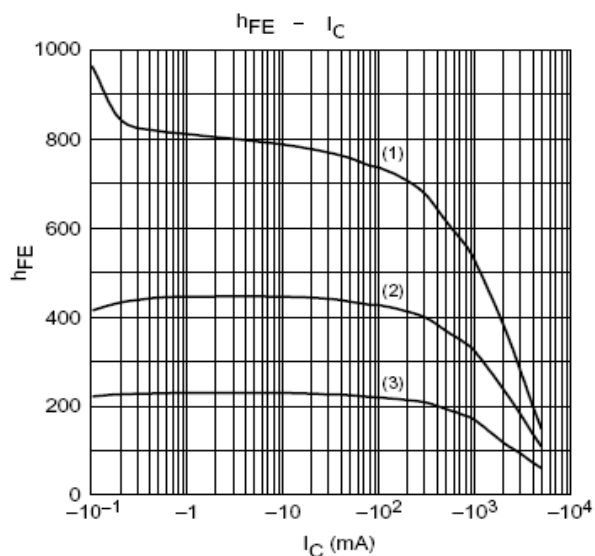
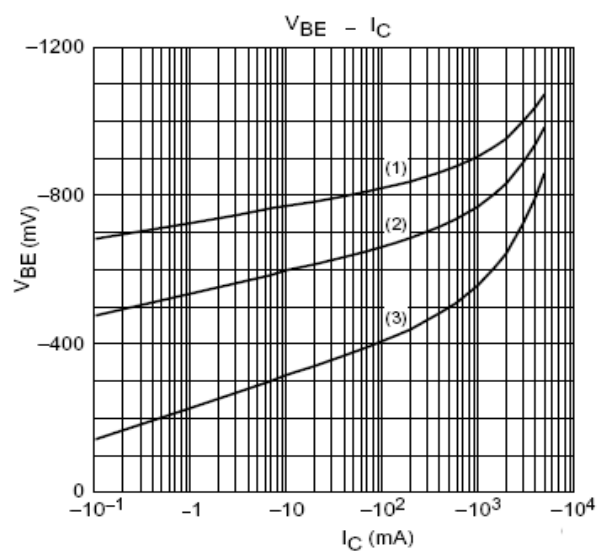
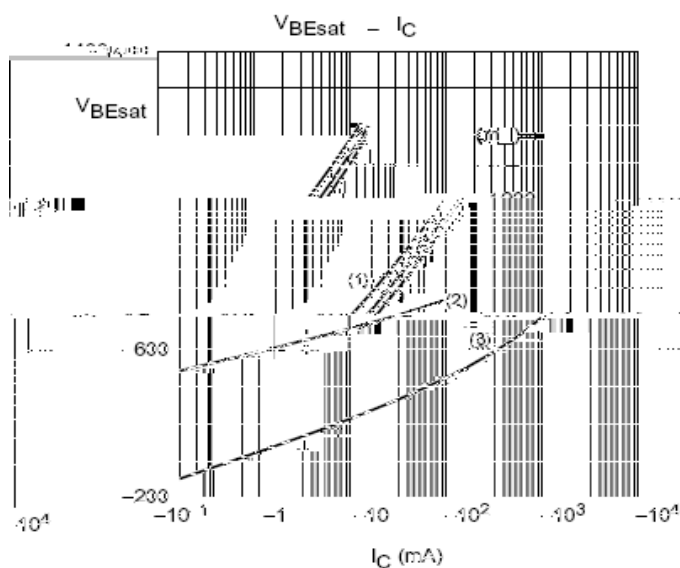
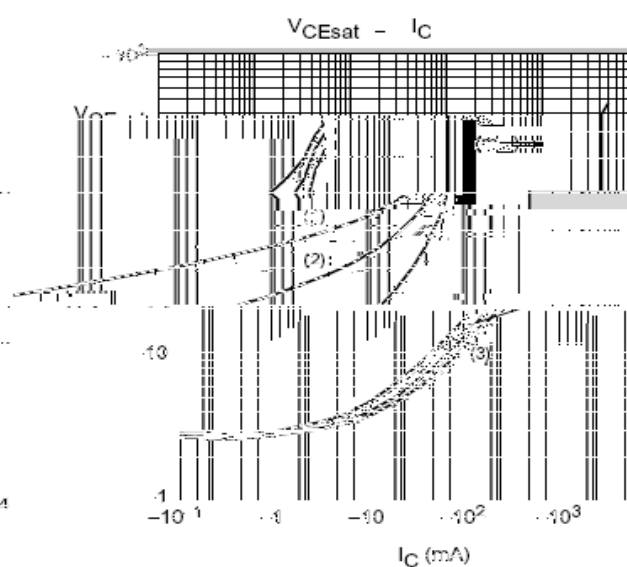
PIN 1y Base PIN 2y Emitter PIN 3y Collector

Z Ü B , M V / h_{FE} Classifications & Marking

h_{FE} Range	220~450
Marking	QZH

@ Parameter	Z Symbol	Rating	% Unit
Collector to Base Voltage	V_{CBO}	-20	V
Collector to Emitter Voltage	V_{CEO}	-20	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current	I_C	-2.0	A
Peak Collector Current	I_{CM}	-5.0	A
Base Current	I_B	-0.5	A
total power dissipation	$P_{tot(1)} \# 2$	300	mW
total power dissipation	$P_{tot(2)} \# 1 \tilde{A}2$	1.2	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Electrical Characteristic Curve

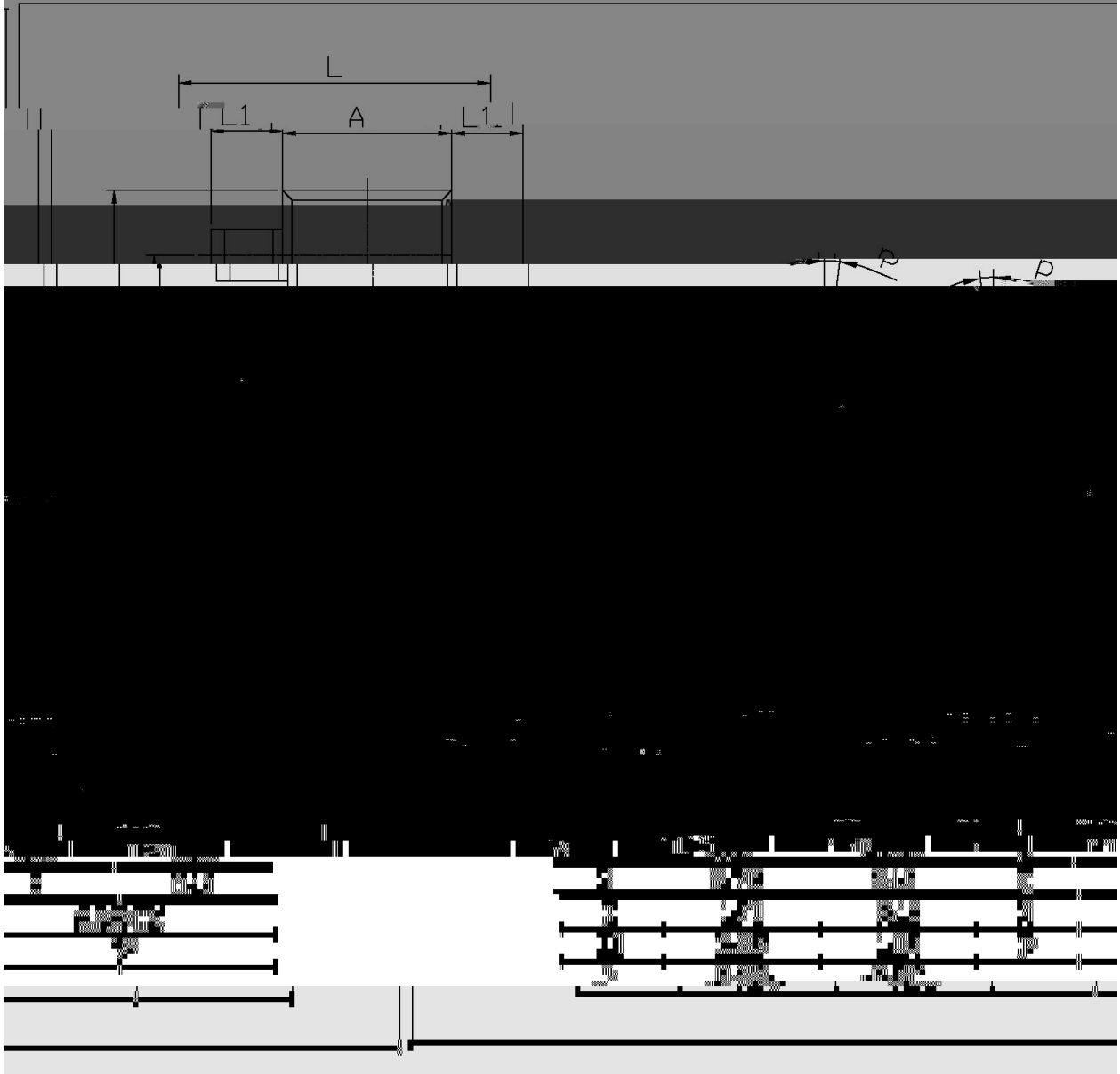




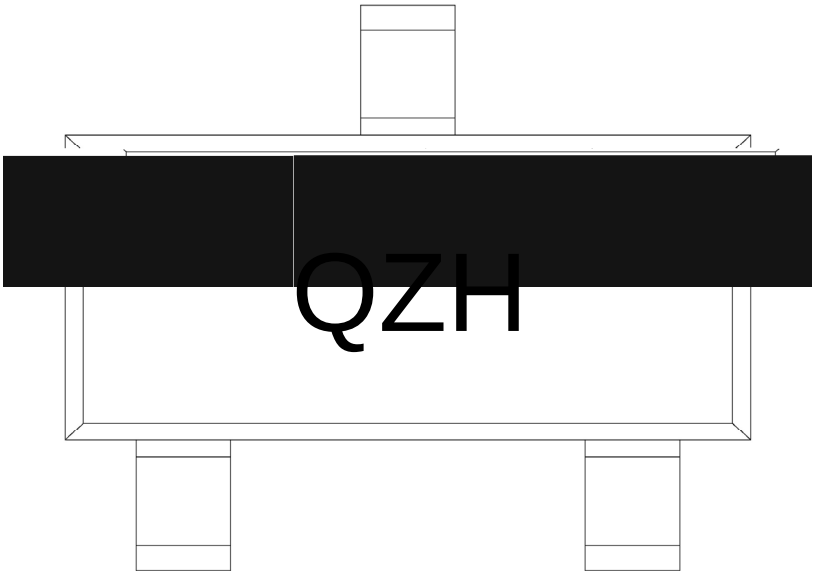
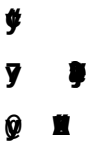
Ø □ =) ⌀ / Package Dimensions

SOT-23

单位; mm



, M y f / Marking Instructions



Note:

Q: Automobile halogen-free product Code

ZHy Product Type

šWD t...•Žč (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

- ⌘
1⌘
2Q
3⌘
- 150% 200k
255r 5⌘
2% 10- /sec.
- 60% 120sec;
5r 0.5sec;
3.Cooling Speed: 2~10- /sec.
- Note:
1.Preheating:150~200- , Time:60~120sec.
2.Peak Temp.:255r 5- , Duration:5r 0.5sec.

ÂD /Cã p ¯ »]	/	Resistance to Soldering Heat Test Conditions			
y	260r 5-	y	10r 1 sec.	Temp.:260±5	Time:10±1 sec
G P á / Packaging SPEC.					
⌘	/ REEL				