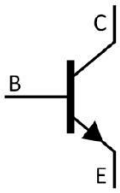
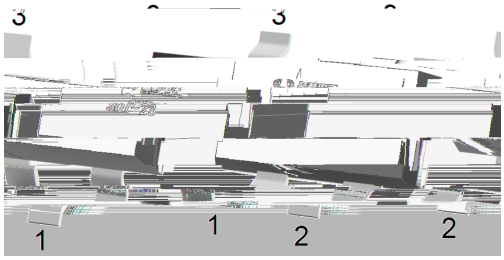
SOT-23 NPN Silicon NPN transistor in a SOT-23 Plastic Package.

BRS8550MQ AEC-Q101

Complementary pair with BRS8550MQ, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

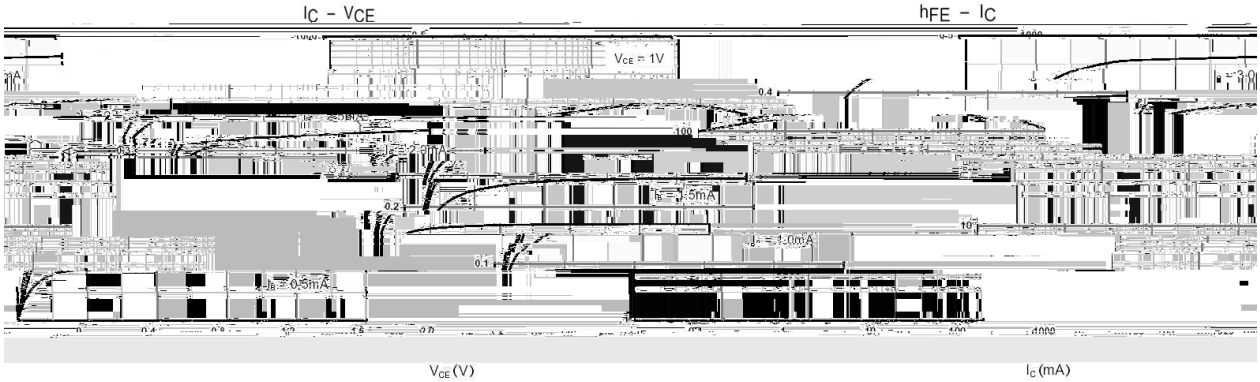
Power amplifier applications, Meet the stringent requirements of automotive applications.

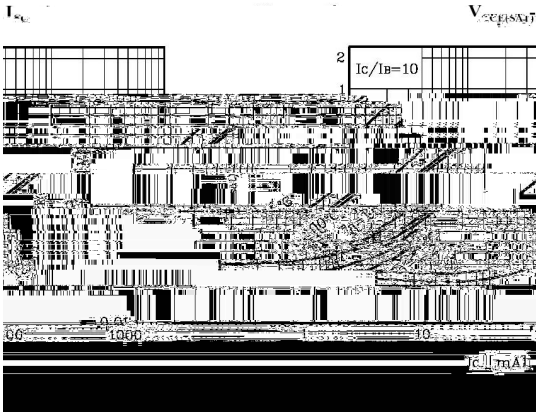


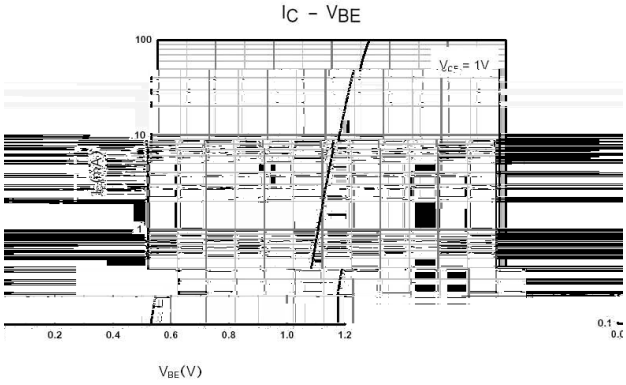


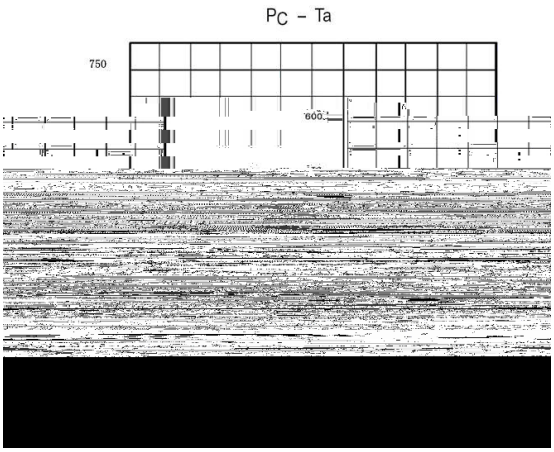
PIN1 Base PIN 2 Emitter PIN 3 Collector

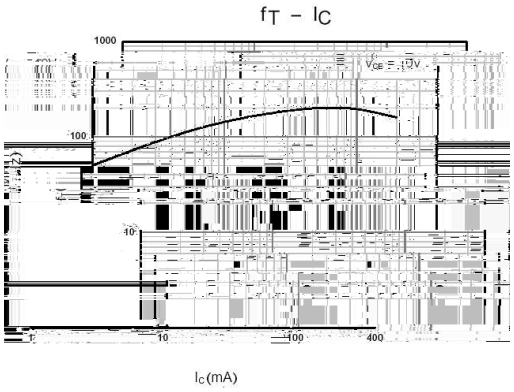
h_{FE} Classifications Symbol	B	C	D
h_{FE} Range	85 160	120 200	160 300
Marking	QY3B	QY3C	QY3D


IC - VCE
VCE = 1V
IB = 0.5mA
VCE(V)
hFE - IC
IC(mA)

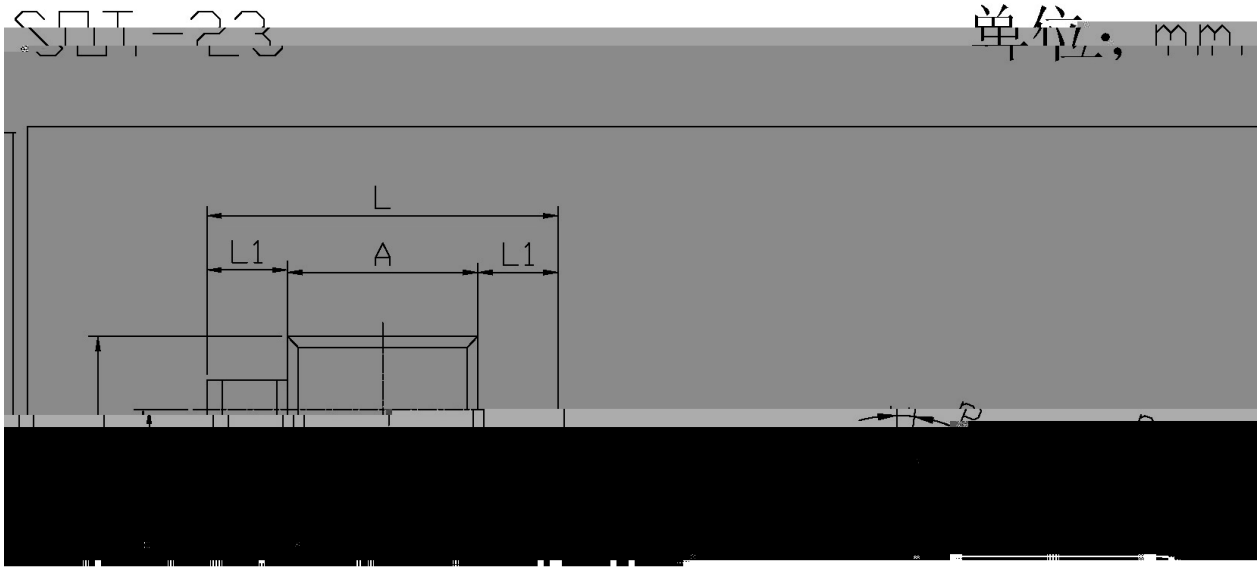

IC/IB=10


IC - VBE
VCE = 1V
VBE(V)

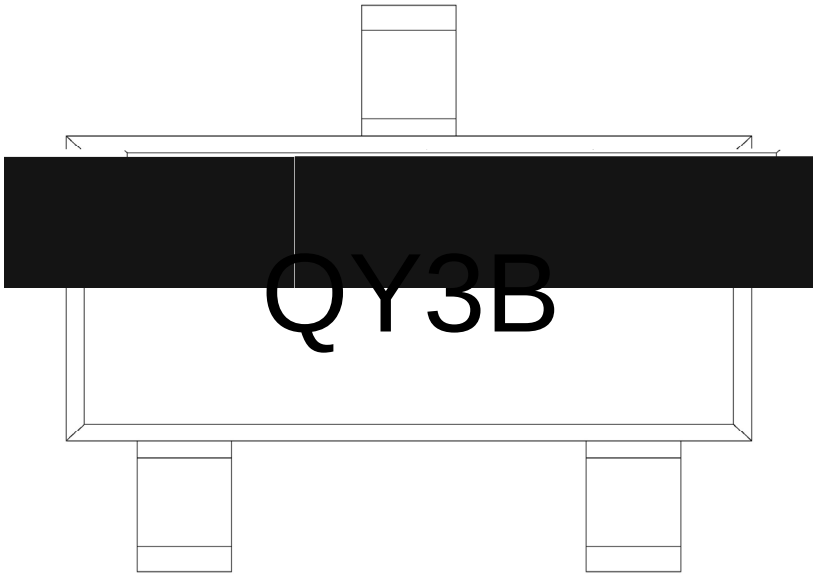

PC - Ta
750


fT - IC
VCE = 10V
IC(mA)

SOT-23 单位：mm



E1	0.85	1.05	P	7°
b	0.35	0.55		



‘

˝ 3

ɦ h_{FE}

Note:

Q: Automobile halogen-free product Code

˝ 3 Product Type Code

ɦ h_{FE} Classifications Symbol Code

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

1	150 200	60 120sec;	1.Preheating:150~200	, Time:60~120sec.
2	255±5	5±0.5sec;	2.Peak Temp.:255±5	, Duration:5±0.5sec.
3	2 10 /sec.		3. Cooling Speed: 2~10 /sec.	

260±5	10±1 sec.	Temp.:260±5	Time:10±1 sec

/ REEL

Package Type	Units	Dimension	(unit mm^3