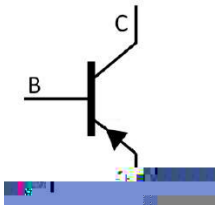
SOT-23 PNP Silicon PNP transistor in a SOT-23 Plastic Package.

, 2SD2444K

Low $V_{CE(sat)}$,large current, complementary to 2SD2444K.

General power amplifier applications.



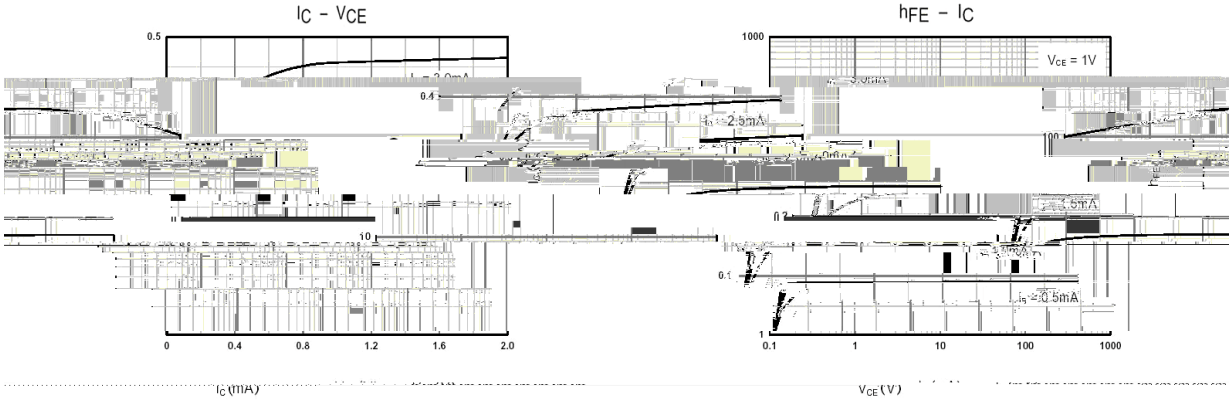


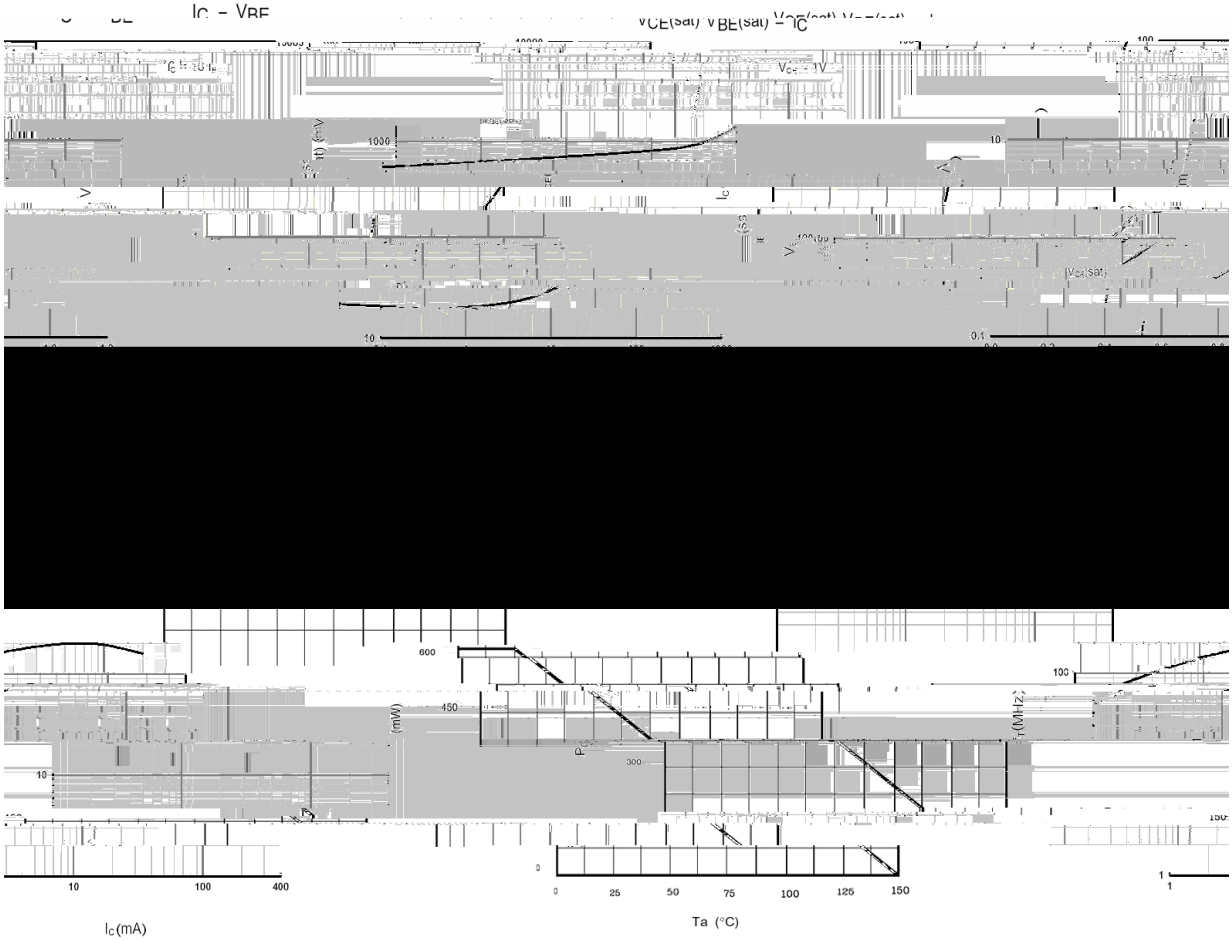

PIN 1 Base PIN 2 Emitter PIN 3 Collector

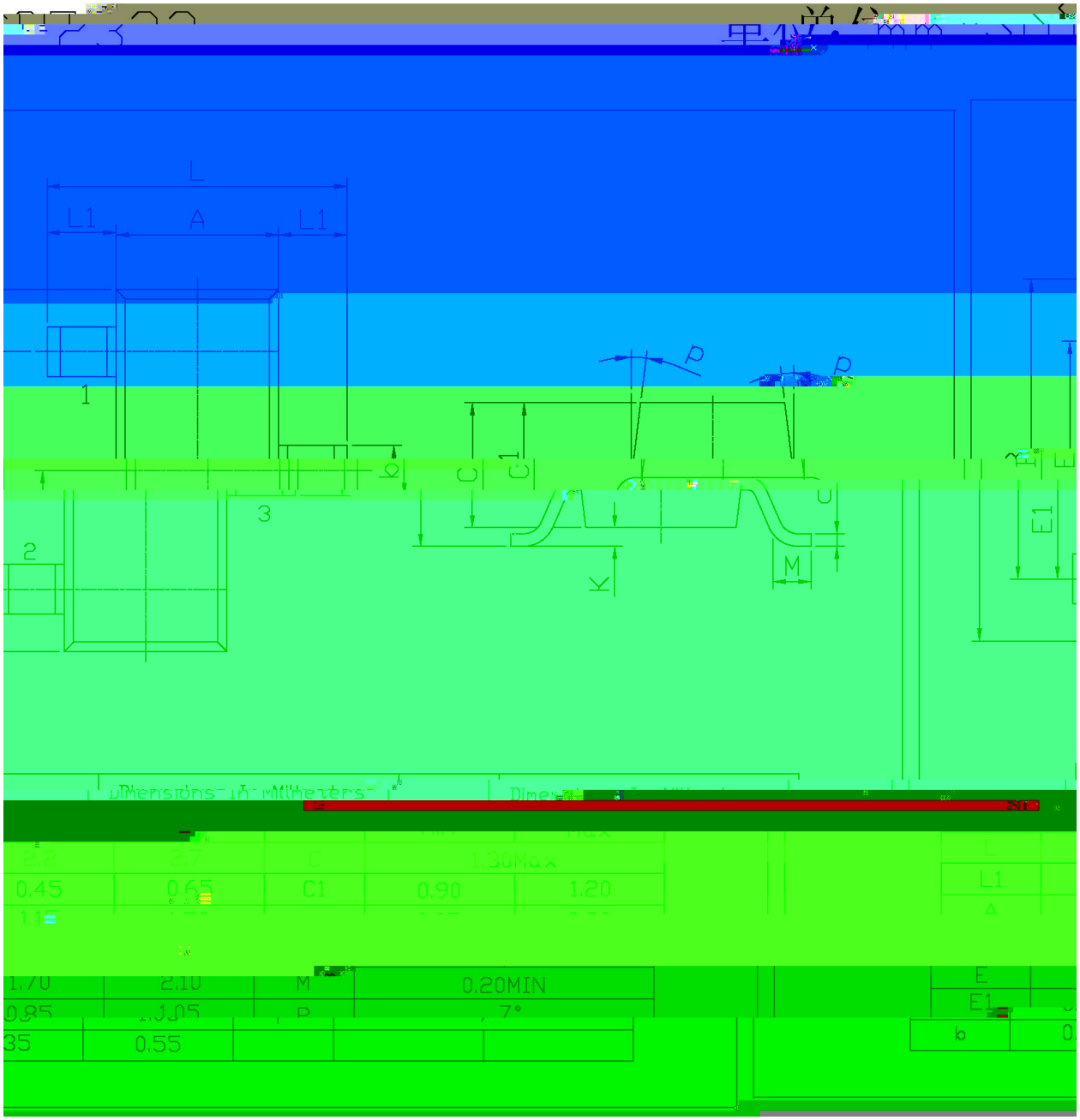
| $h_{FE}$ Classifications Symbol | Q |
|---|---|
| $h_{FE}$ Range | 120 270 |
| Marking | HBKQ |

| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | -15 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | -15 | V |
| Emitter to Base Voltage | $V_{EBO}$ | -6.0 | V |
| Collector Current | $I_C$ | -1.0 | A |
| Collector Current | $I_{CM}$ | -3.0 | A |
| Collector Power Dissipation | $P_C$ | 200 | mW |
| Junction Temperature | $T_j$ | 150 | |
| Storage Temperature Range | $T_{stg}$ | -55 150 | |

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| Collector to Base Breakdown | | | | | | |


IC - VCE
hFE - IC
VCE = 1V
IB = 2.5mA
IB = 0.5mA
IC(mA)
VCE(V)


IC - VBE
VCE(sat) VBE(sat) - IC
VCE = 1V
IC(mA)
Ta (°C)


L
L1
A
L1
1
2
3
M
E1
0.45
0.65
C1
0.90
1.20
0.20MIN
0.55




H

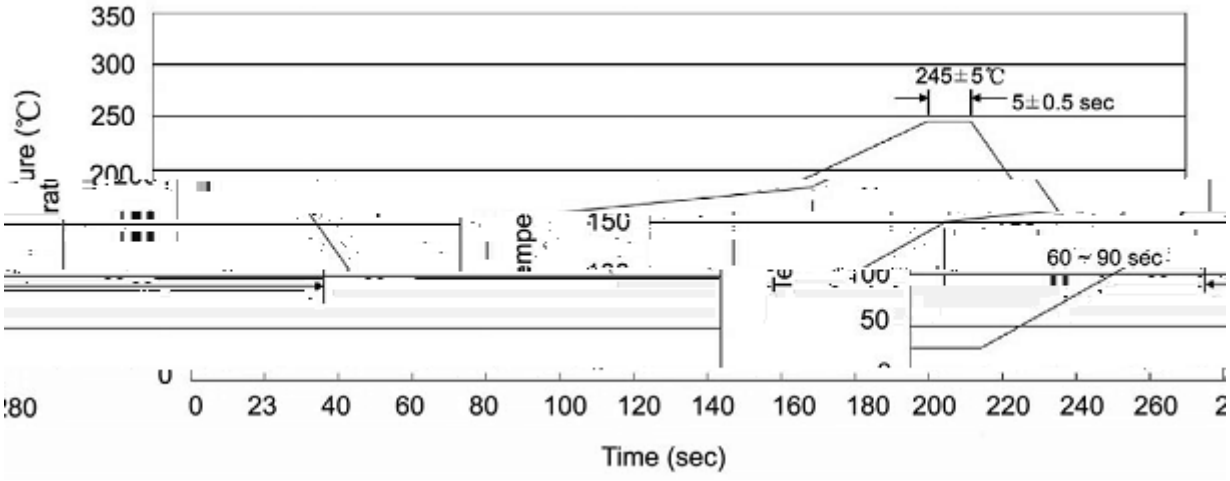
BK:

Q: $h_{FE}$

Note:

| | |
|---|---|
| H | Company Code |
| BK | Product Type Code |
| Q: | $h_{FE}$ Classifications Symbol Code |

## Temperature Profile for IR Reflow Soldering(Pb-Free)




Note:

1 25 150 60