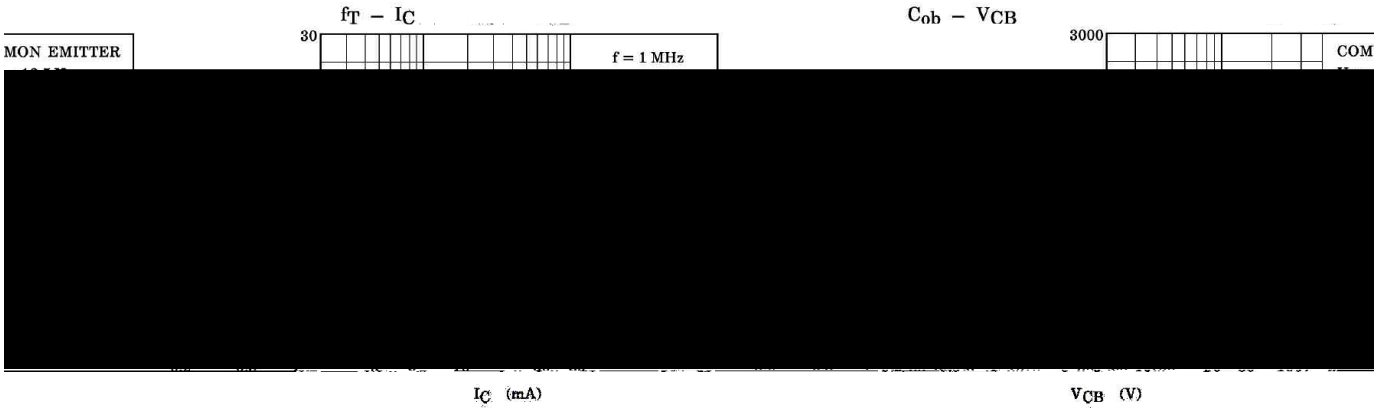
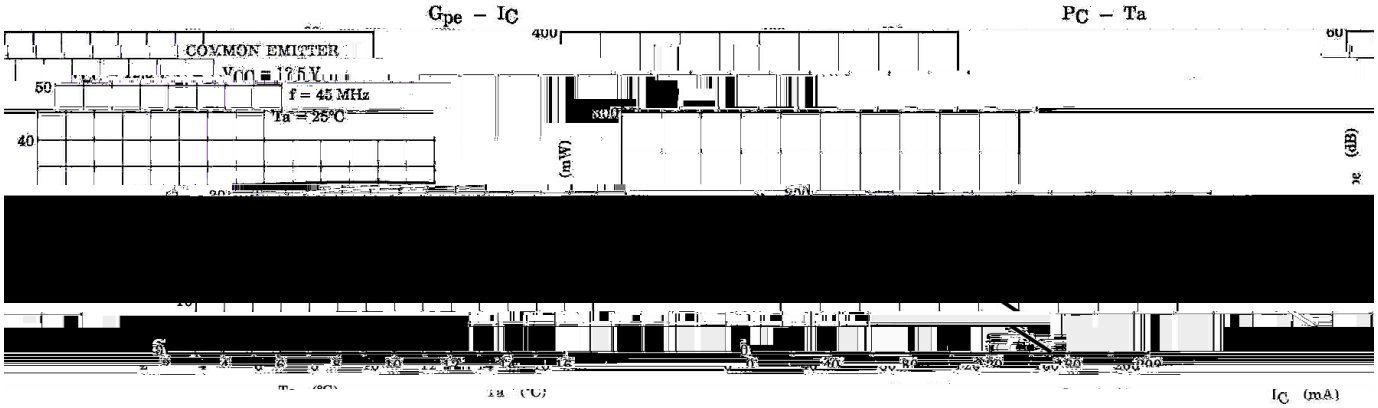
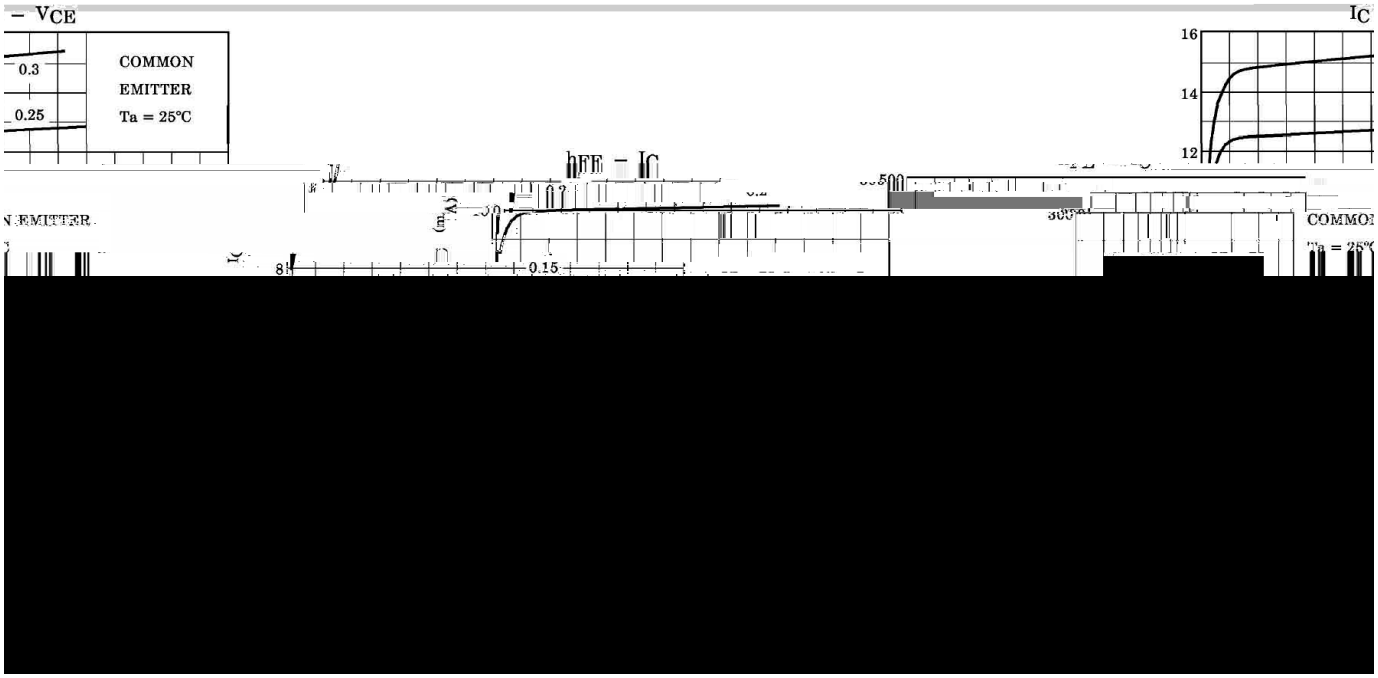
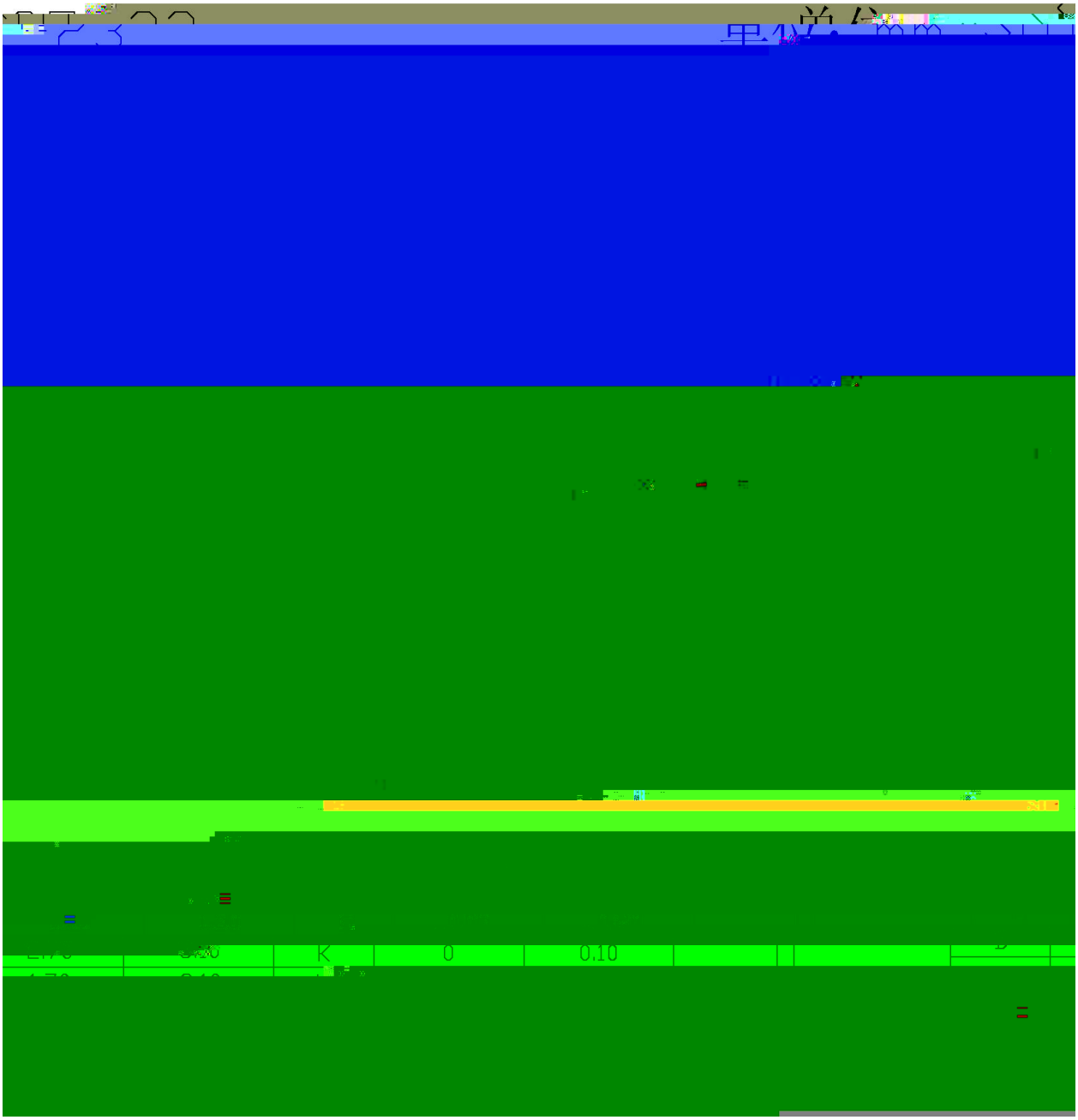
Silicon NPN transistor in a SOT-23 Plastic Package.

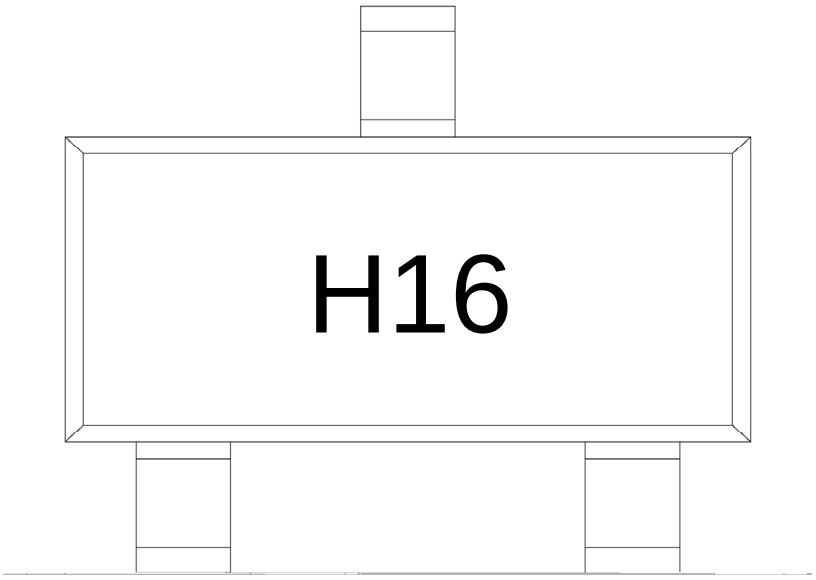
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	50	V
Collector to Emitter Voltage	V_{CEO}	45	V
Emitter to Base Voltage	V_{EBO}	4.0	V
Collector Current	I_C	50	mA
Emitter Current	I_E	-50	mA
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	


f_T – I_C
f = 1 MHz
C_{ob} – V_{CB}
I_C (mA)
V_{CB} (V)


G_{pe} – I_C
COMMON EMITTER
f = 45 MHz
Ta = 25°C
P_C – Ta
I_C (mA)


– V_{CE}
COMMON
EMITTER
Ta = 25°C
h_{FE} – I_C
I_C



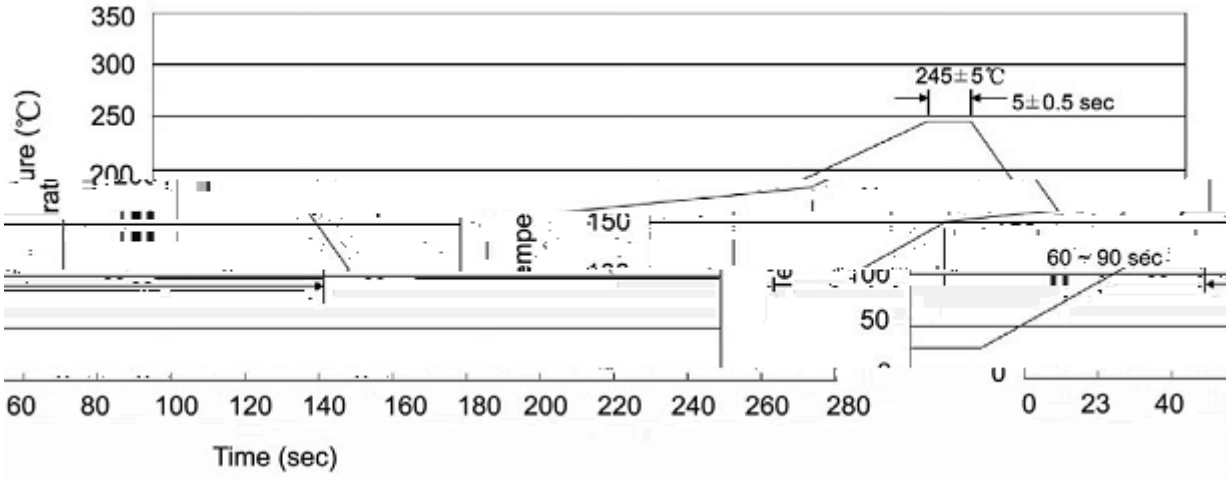


Note:

H: Company Code

16: Product Type Code

Temperature Profile for IR Reflow Soldering(Pb-Free)



		Note:
1	25 150 60 90sec;	1.Preheating:25~150 , Time:60~90sec.
2	245 5 5 0.5sec;	2.Peak Temp.:245 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)