

/ Descriptions

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

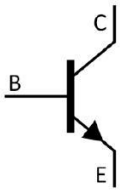
/ Features

Large current capacity ,low $V_{CE\ sat}$,wide ASO.

/ Applications

Audio frequency amplifier, medium-speed switching, small-sized motor drivers.

/ Equivalent Circuit

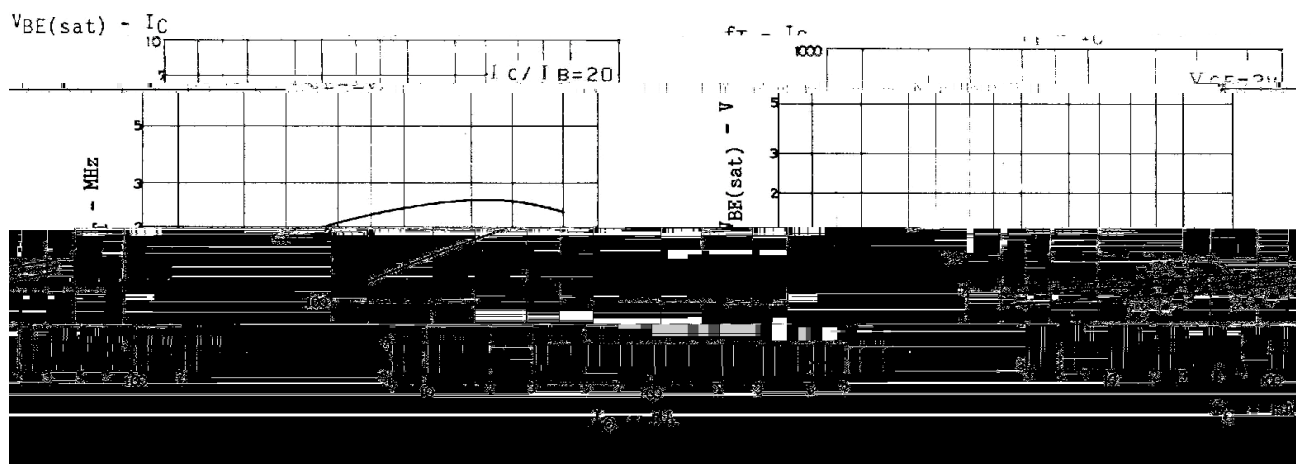
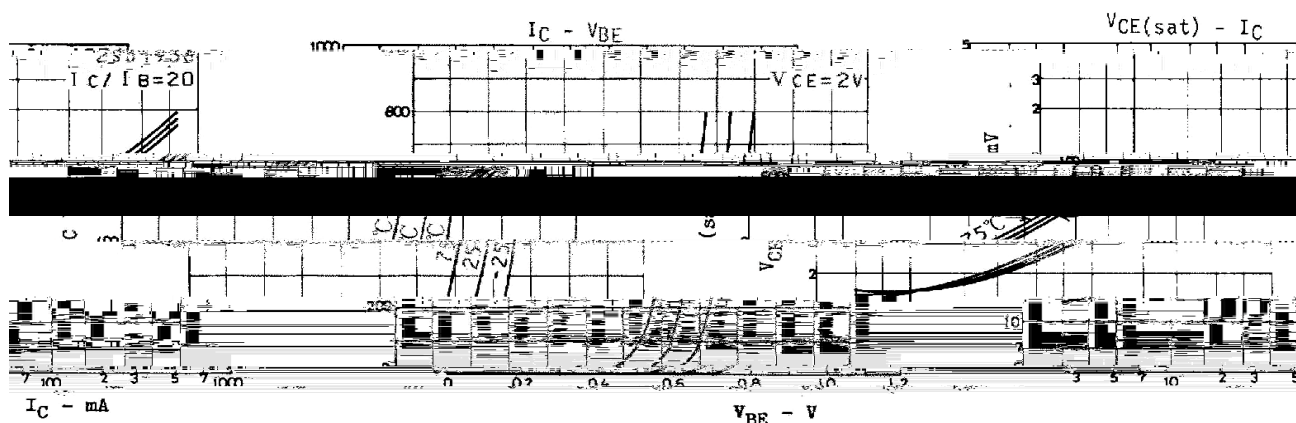
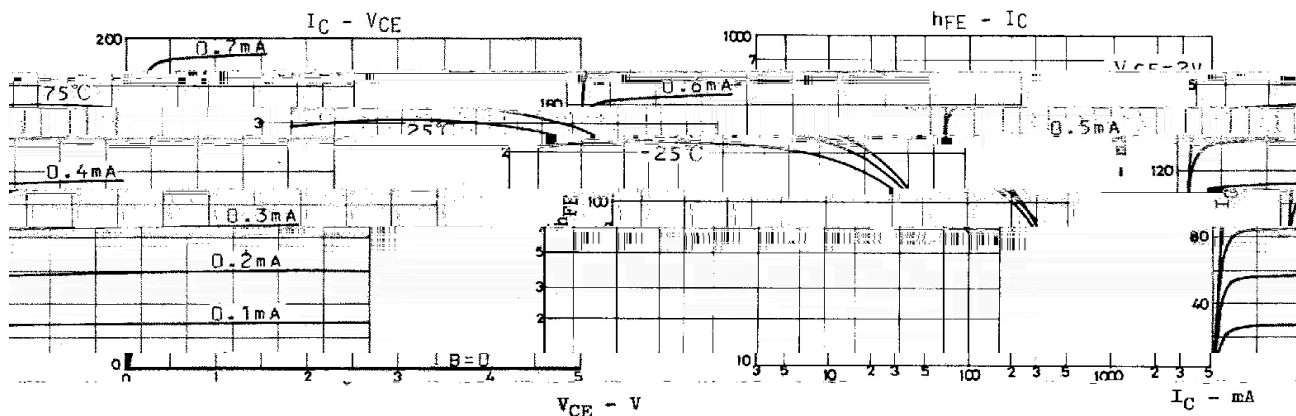


PIN1 Base PIN 2 Emitter PIN 3 Collector

/ h_{FE} Classifications & Marking

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}	5.0	V
Collector Current	I_C	0.8	A
Collector Current(Pulse)	I_{CP}	3.0	A
Collector Power Dissipation	P_C	250	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	stg

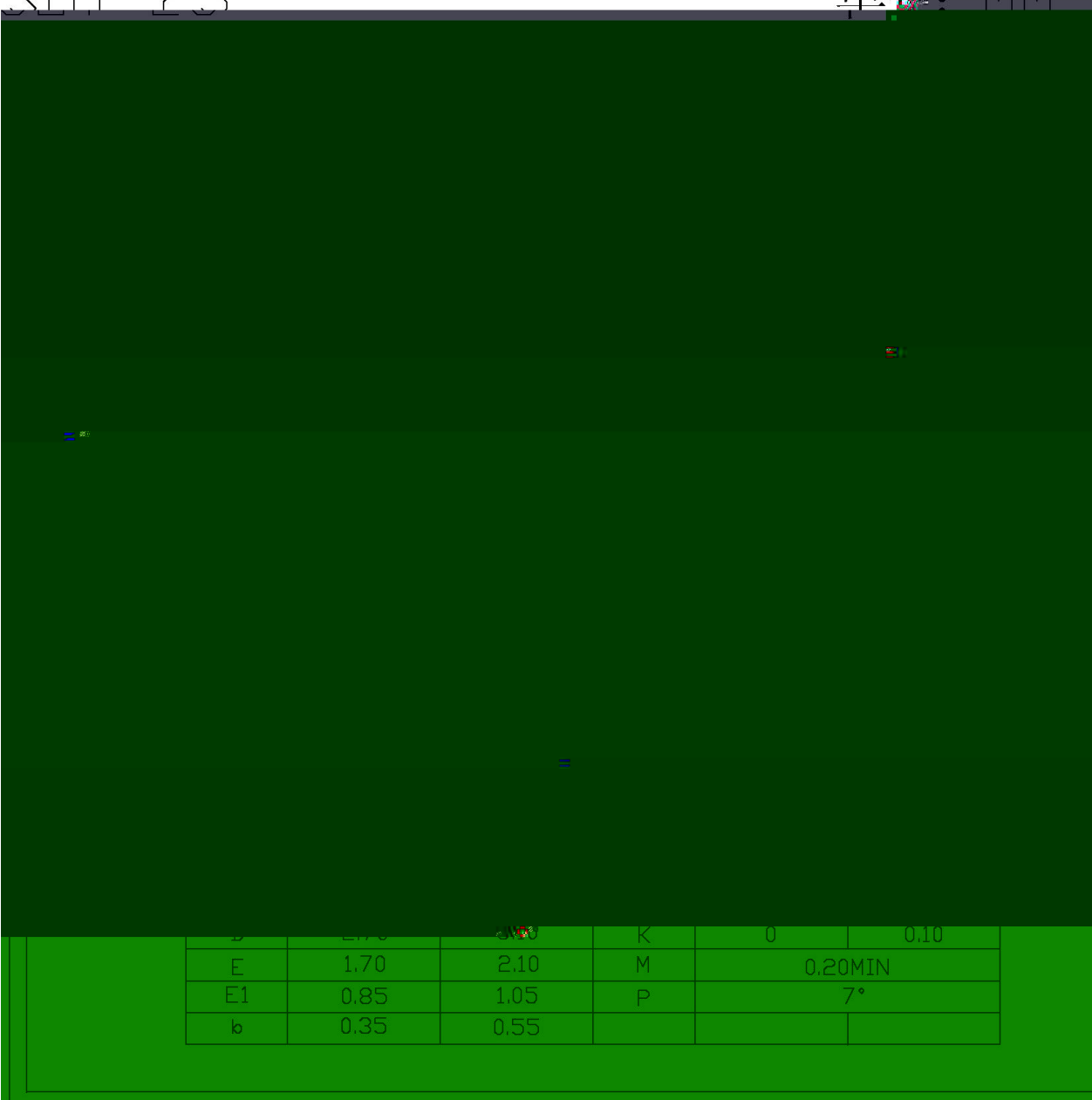
/ Electrical Characteristic Curve



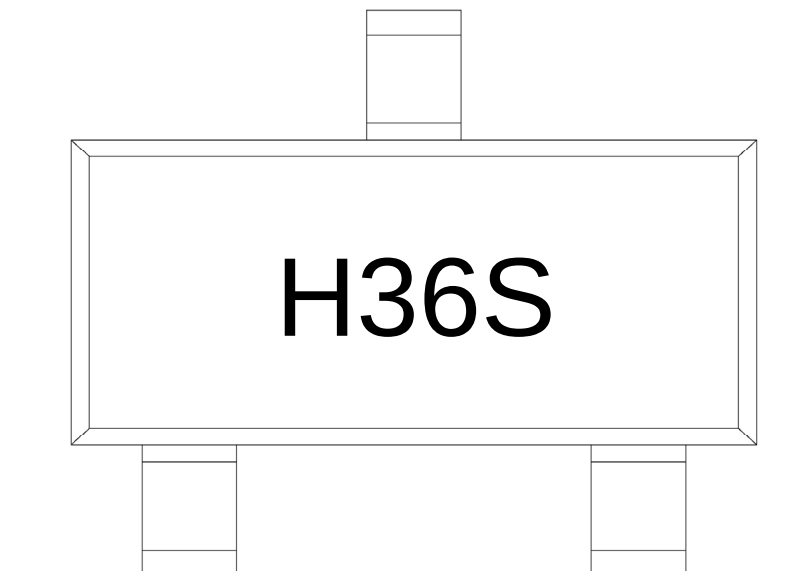
/ Package Dimensions

SOT-23

单位: mm



/ Marking Instructions



H

36

S: h_{FE}

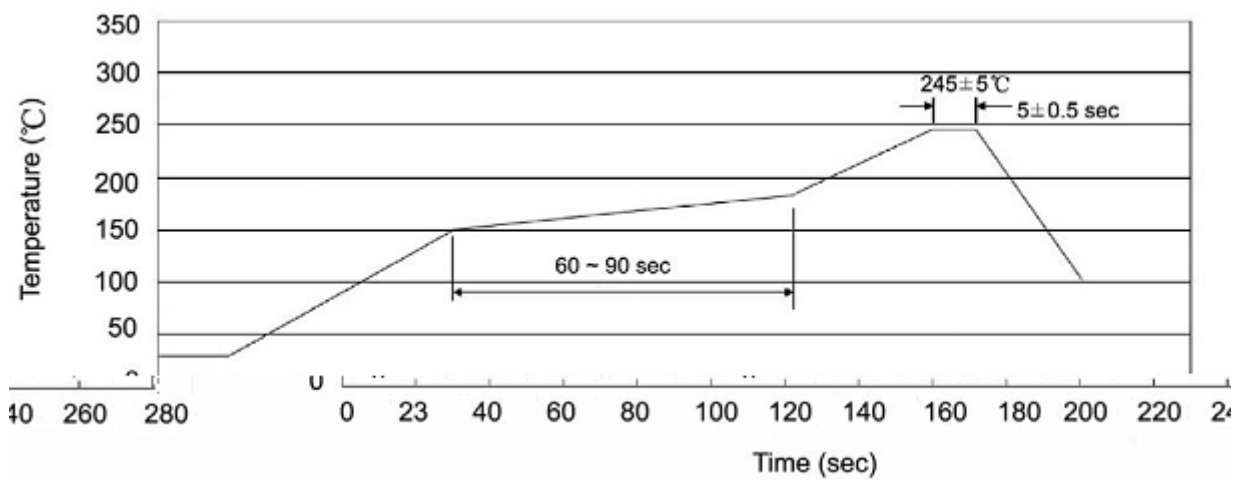
Note:

H: Company Code

36: Product Type Code

S: h_{FE} Classifications Symbol Code

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



Note:

1 25 150 60 90sec;

1.Preheating:25~150