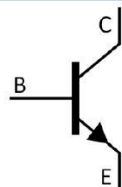


Silicon NPN transistor in a SOT-23 Plastic Package.

Complementary pair with 2SB709A.

General power amplifier applications



PIN1 Base PIN 2 Emitter PIN 3 Collector

h _{FE} Classifications Symbol	Q	R	S
h _{FE} Range	160-260	210-340	290-460
Marking	H1ZQ	H1ZR	H1ZS

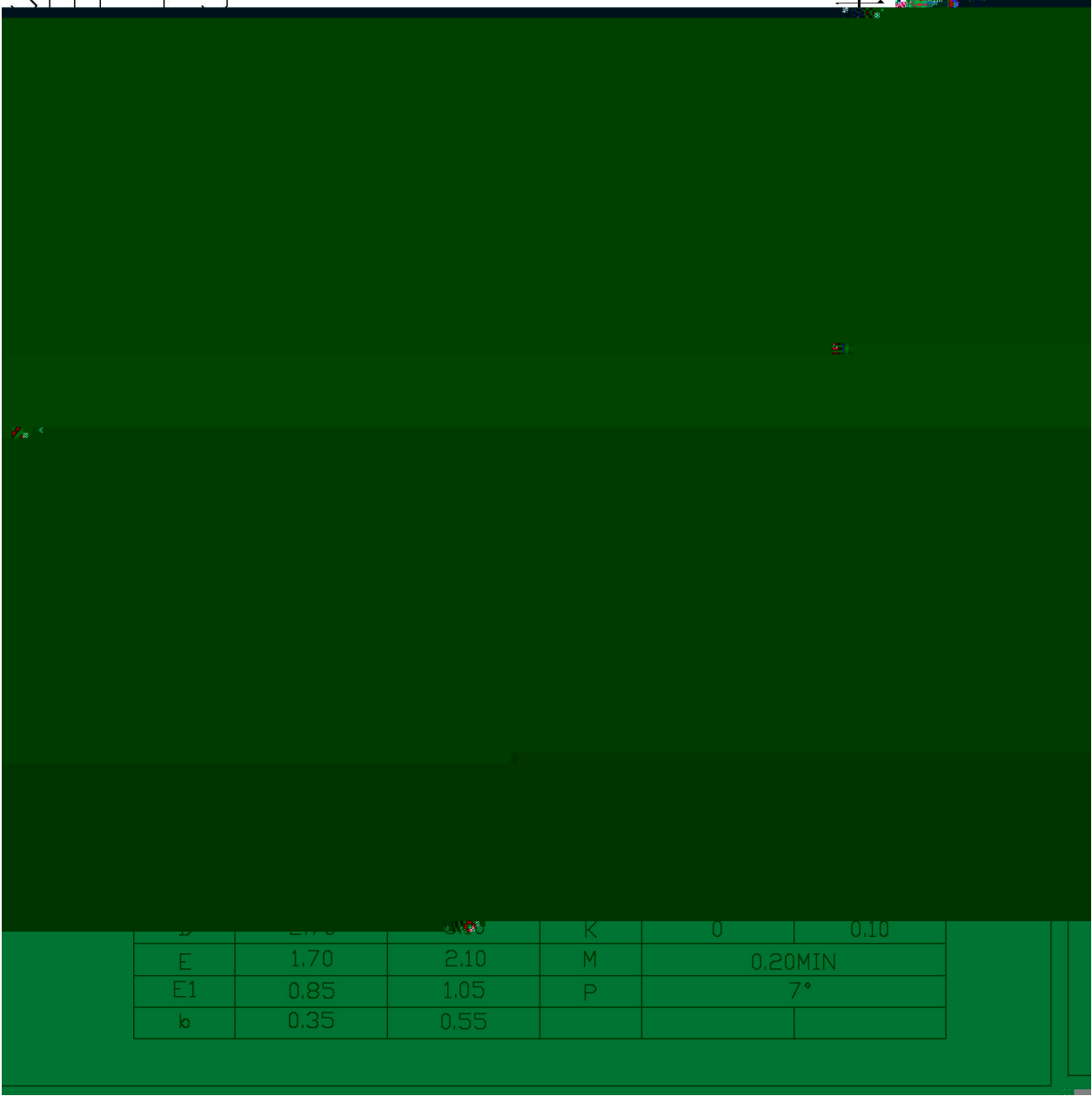
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	50	V
Emitter to Base Voltage	V_{EBO}	7.0	V
Collector Current	I_C	100	mA
Collector Current	I_{CP}	200	mA
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55 150	°C

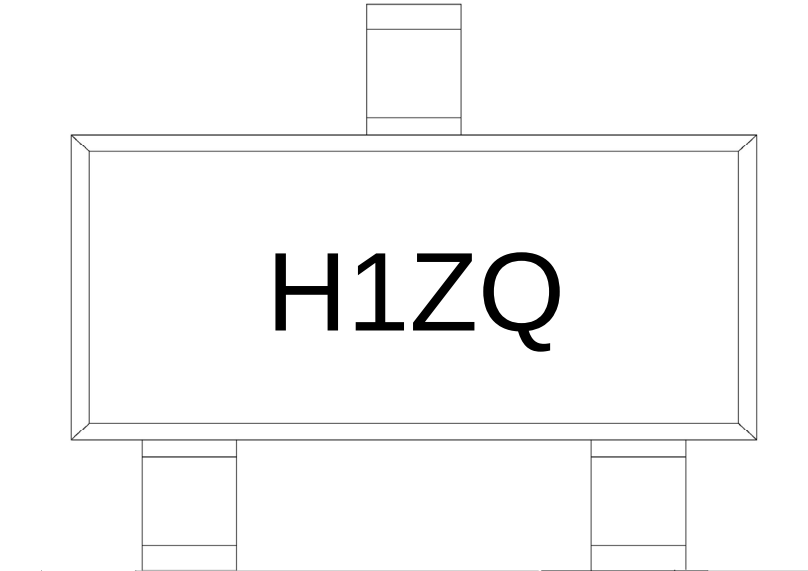
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	$V_{CB}=20V$ $I_E=0$			0.1	A
Emitter Base Cut-Off Current	I_{EBO}	$V_{CE}=10V$ $I_B=0$			100	A
Collector-Base Breakdown Voltage	V_{CBO}	$I_C=10$				



SOT-23

单位: mm



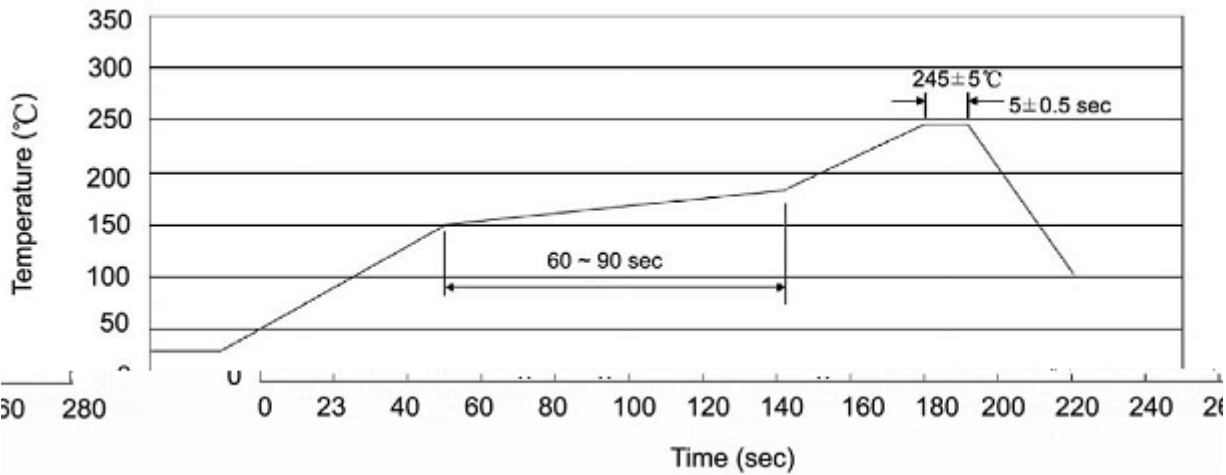


Note:

H: Company Code

1Z: Product Type Code

Q: h_{FE} Classifications Symbol Code



Note:

- 1

25 150

60 90sec;
- 2

245 5

5 0.5sec;
- 3

2 10 /sec.
- 1.Preheating:25~150

, Time:60~90sec.
- 2.Peak Temp.:245 5

, Duration:5 0.5sec.
3. Cooling Speed: 2~10

/sec.

260 5

10 1 sec.

Temp.:260±5°C

Time:10±1 sec

/ REEL

Package Type	Units	Dimension	(unit mm ³)
P a c 4	T w T l r (o) Q x		