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SOT-323 NPN Silicon NPN transistor in a SOT-323 Plastic Package.

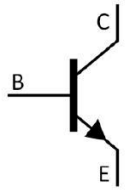
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General amplifier.

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PIN1 Emitter PIN 2 Base PIN 3 Collector

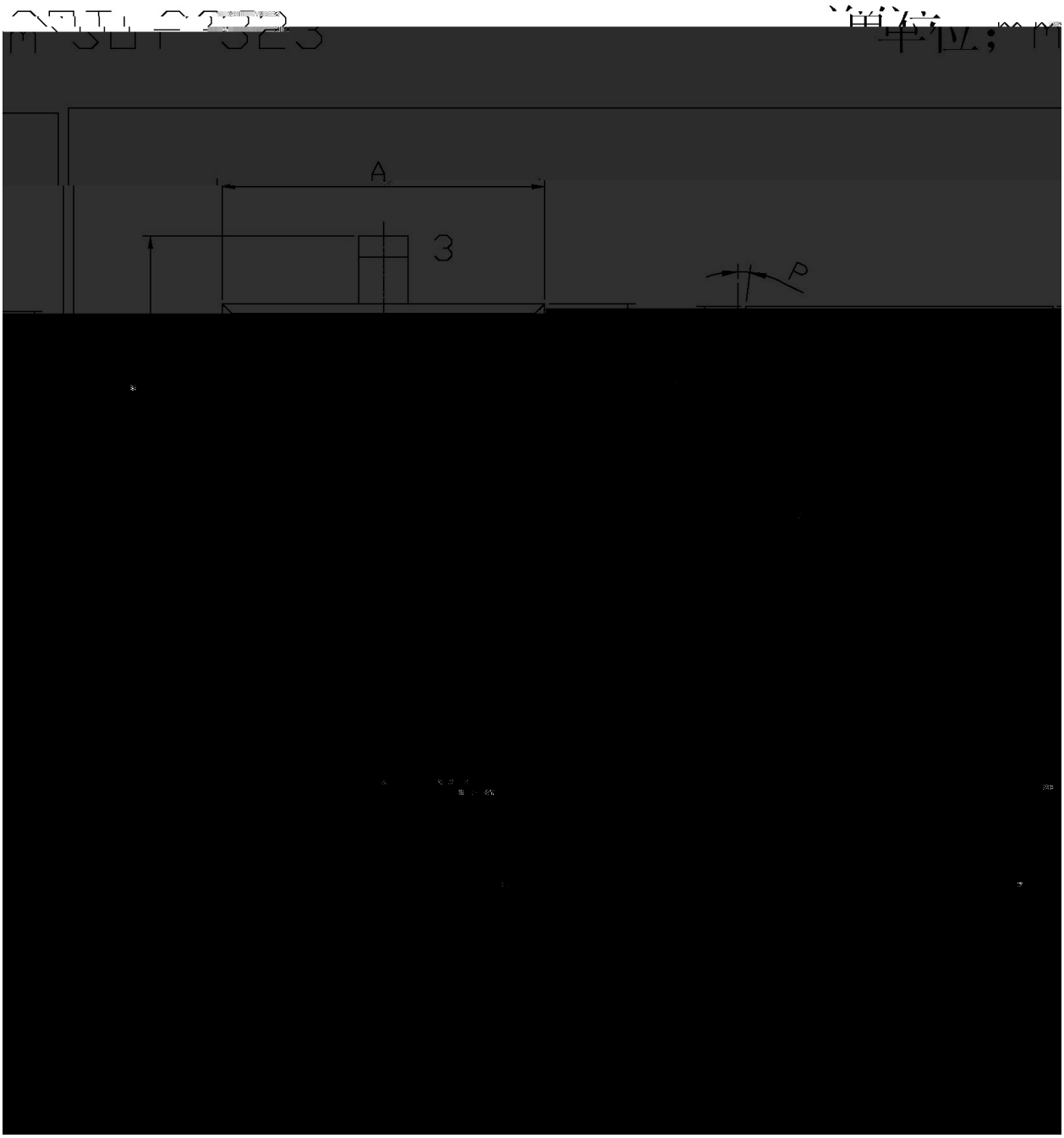
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h_{FE} Classifications Symbol	Q	R	S
h_{FE} Range	120 270	180 390	270 560
Marking	HBQ	HBR	HBS

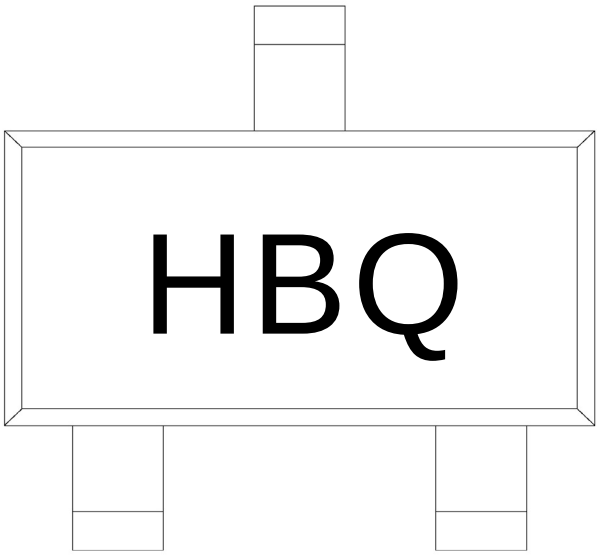
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	50	V
Emitter to Base Voltage	V_{EBO}	7.0	V
Collector Current - Continuous	I_C	150	mA
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown 6 -1.6743 TD0540078 n5 55.98 438.8003 Tm-0.0026Tw( )Tj10.5 0 0 10V.1 424.Q5 64.						

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Q h_{FE}

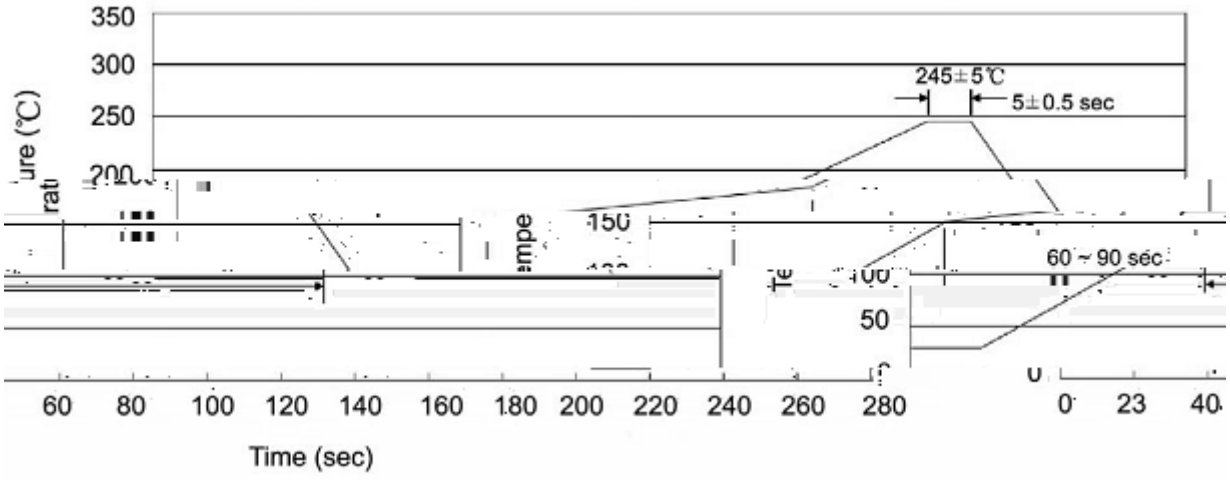
Note:

H: Company Code.

B: Product Type.

Q: h_{FE} Classifications Symbol

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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.

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

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/ REEL

Package Type	Units					Dimension		(unit mm^3)
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
SOT-323	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205

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