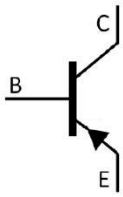
SOT-323 PNP Silicon PNP transistor in a SOT-323 Plastic Package.

2SC1741W

Large I_c low $V_{ce(sat)}$,complementary pair with the 2SC1741W.

Medium power amplifier applications.



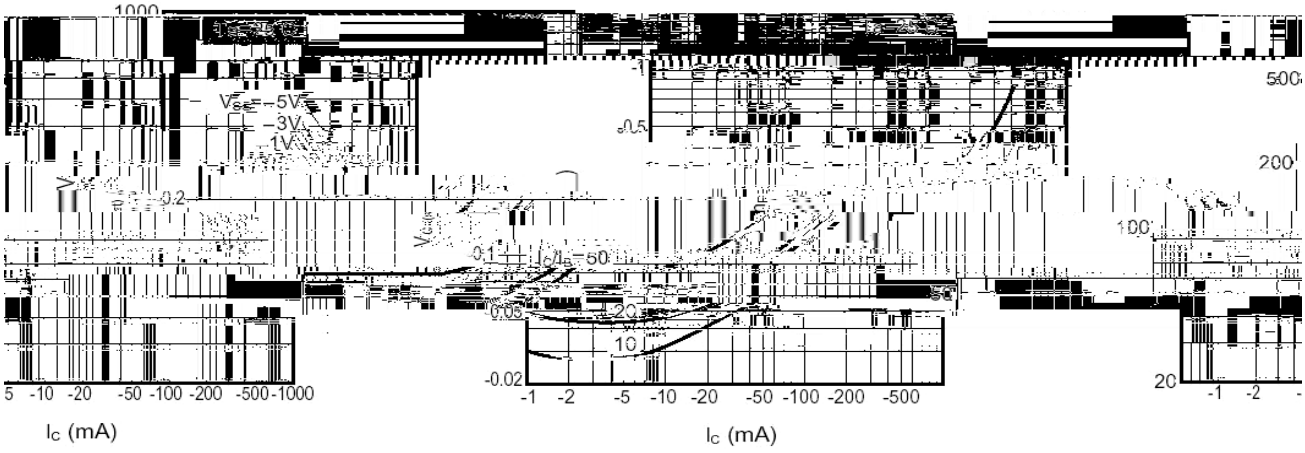
PIN1 Emitter PIN 2 Base PIN 3 Collector

h_{FE} Classifications Symbol	P	Q	R
h_{FE} Range	82 180	120 270	180 390
Marking	HHP	HHQ	HHR

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-32	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-500	mA
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

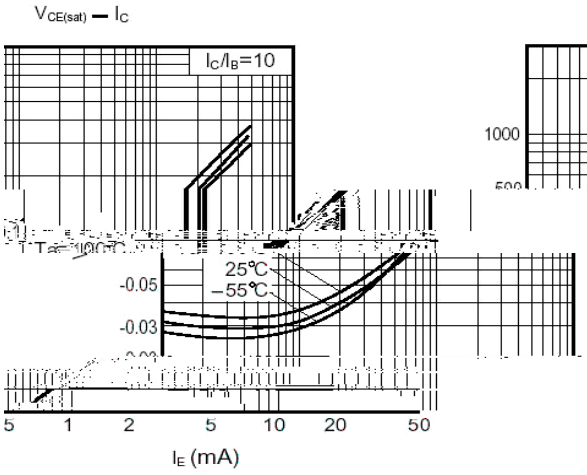
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=-100μA	-40			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-1.0mA	-32			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=-100μA	-5.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-20V			-1.0	μA
Emitter Base Cut-Off Current	I_{EBO}	V_{EB}=-4.0V			-1.0	μA
DC Current Gain	h_{FE}	V_{CE}=-3.0V I_C=-10mA	82		390	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-100mA I_B=-10mA			-0.4	V
Transition Frequency	f_T	V_{CE}=-5.0V I_E=20mA f=100MHz		200		MHz
Collector output capacitance	C_{ob}	V_{CB}=-10V I_E=0 f=1.0MHz		7.0		pF

h_{FE} — I_C

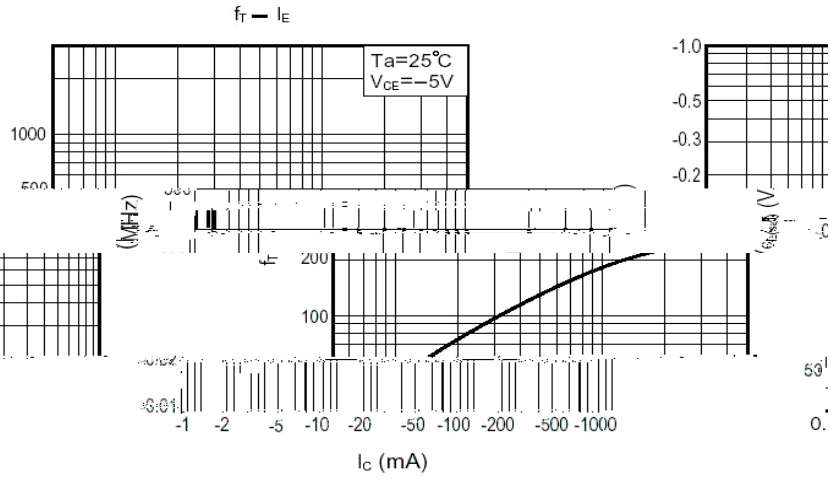


$V_{CE(sat)}$ — I_C

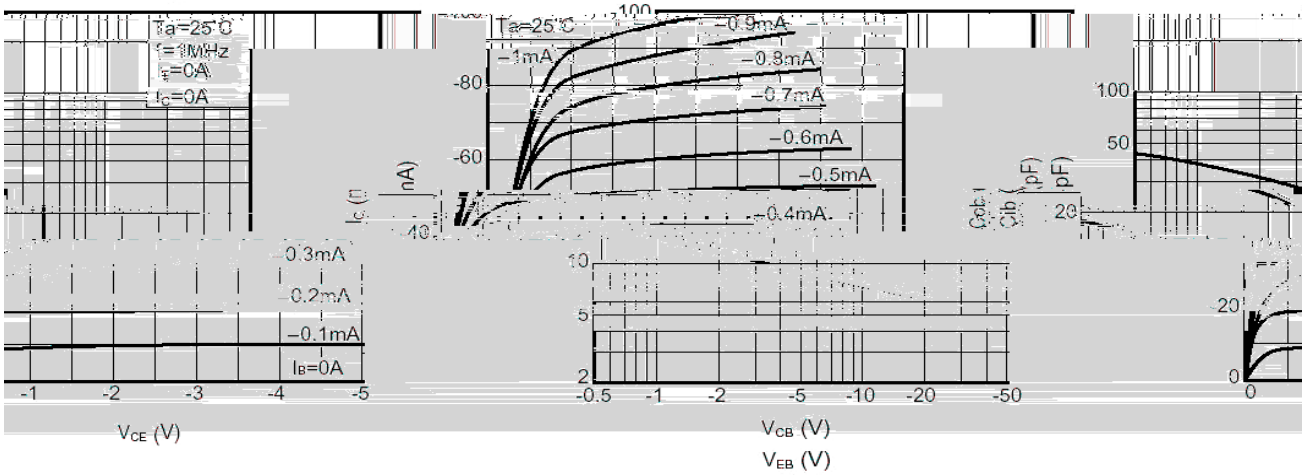
$V_{CE(sat)}$ — I_C



f_T — I_E



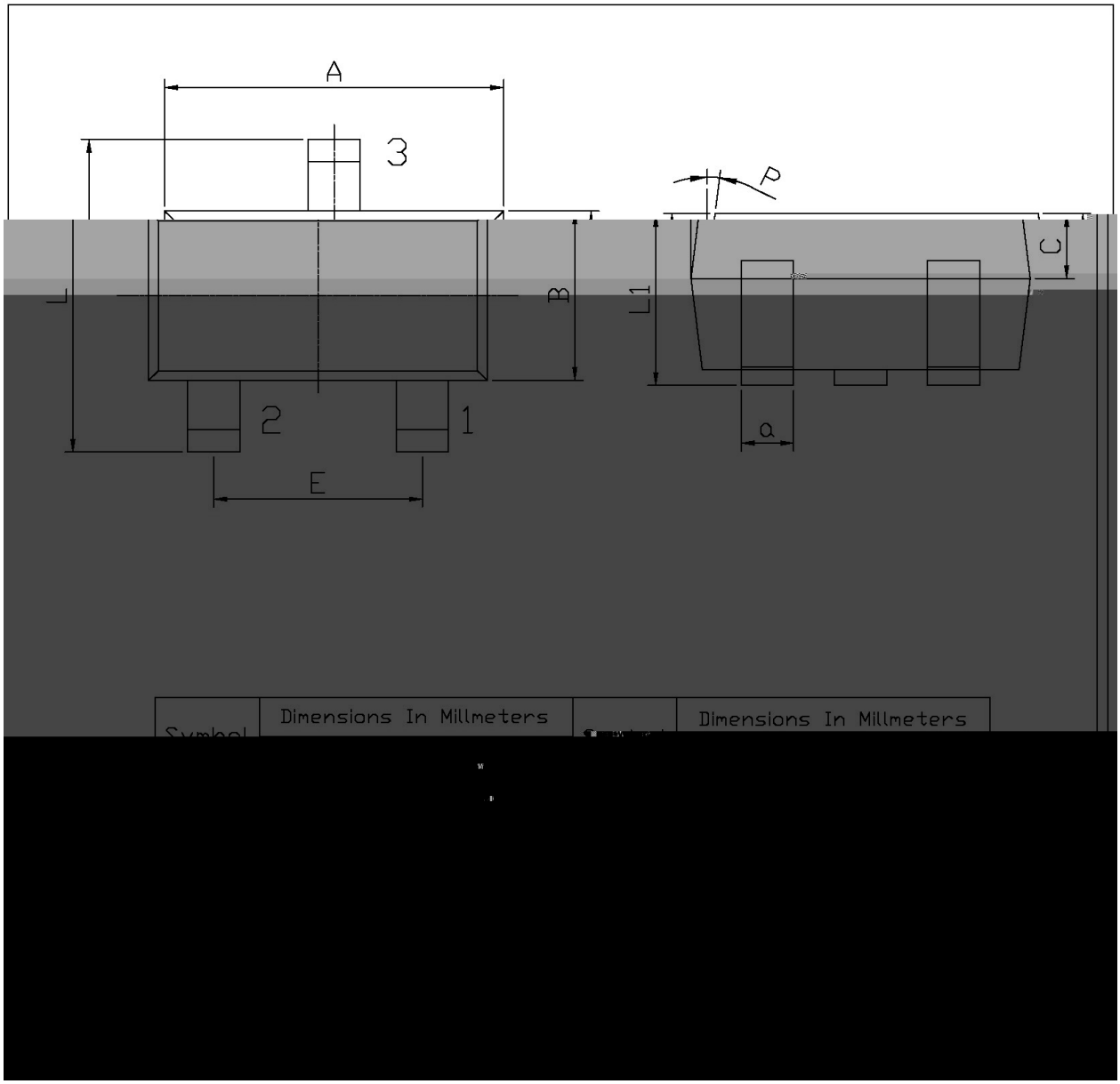
Cob — V_{CB}
Cib — V_{EB}

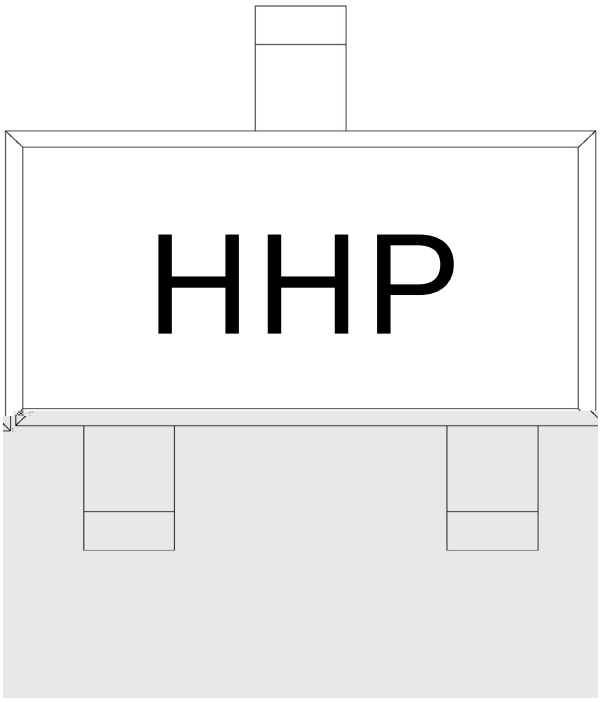


I_C — V_{CE}

SOT-323

单位：mm


A
3
P
L
B
L1
C
2
1
E
a
Dimensions In Millmeters
Dimensions In Millmeters



H

H

P h_{FE}

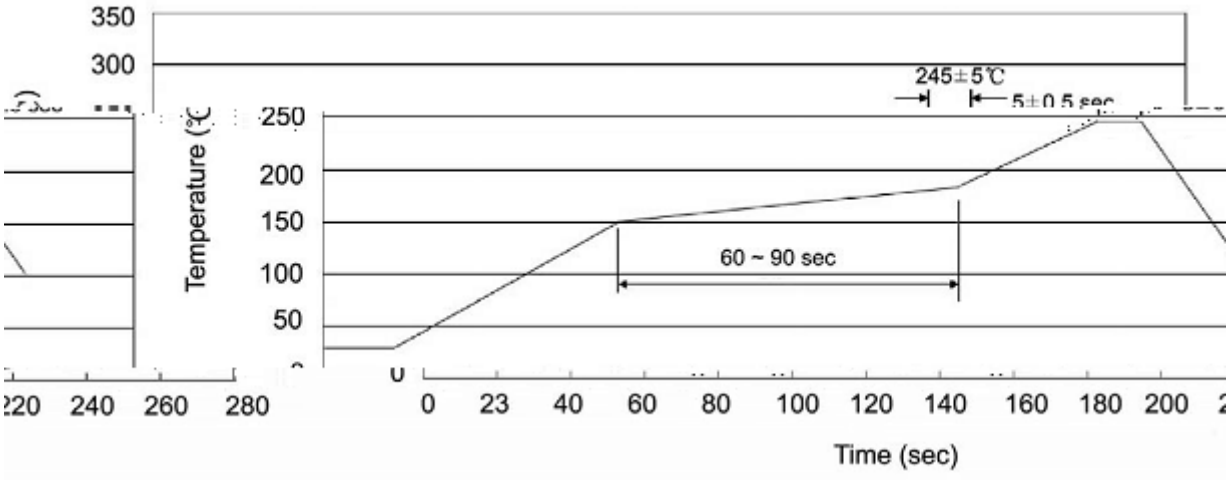
Note:

H: Company Code.

H: Product Type.

P h_{FE} Classifications Symbol

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 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm^3)		
	只 卷盘	卷盘 盒	只 盒	盒 箱	只 箱		盒	箱