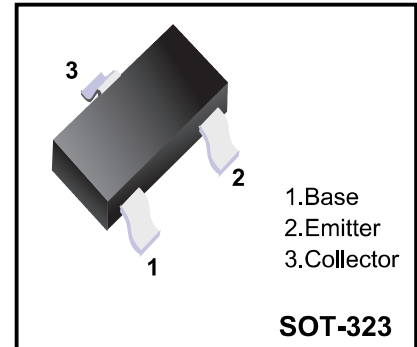


■ PNP Transistors



■ Features

- Collector current: $I_c = -0.5A$

■ Absolute Maximum Ratings $T_a = 25^\circ C$

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V_{CB0}	-40	V
Collector-Emitter Voltage	V_{CE0}	-25	V
Emitter-Base Voltage	V_{EB0}	-5	V
Collector Current -Continuous	I_c	-0.5	A
Collector Power Dissipation	P_c	0.3	W
Junction Temperature	T_j	150	$^\circ C$
Storage Temperature	T_{stg}	-55 to 150	$^\circ C$

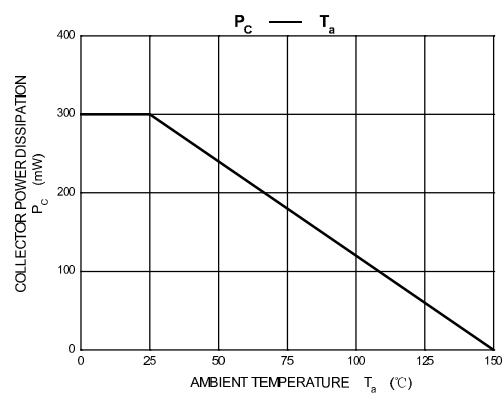
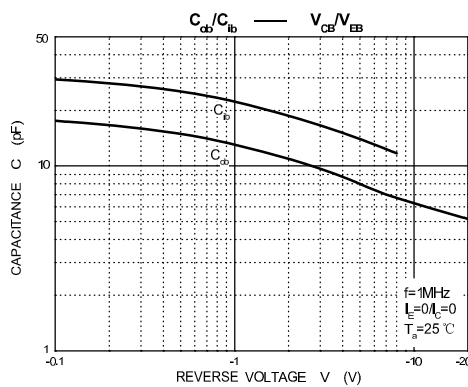
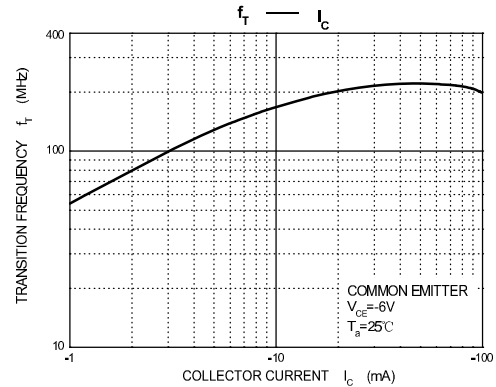
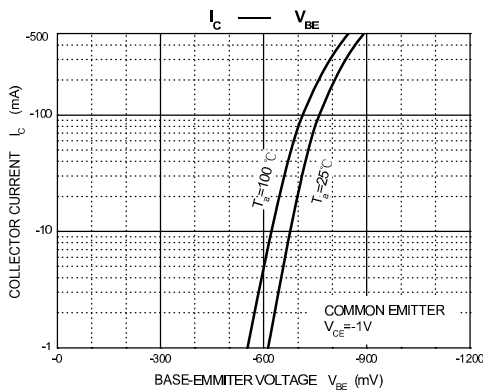
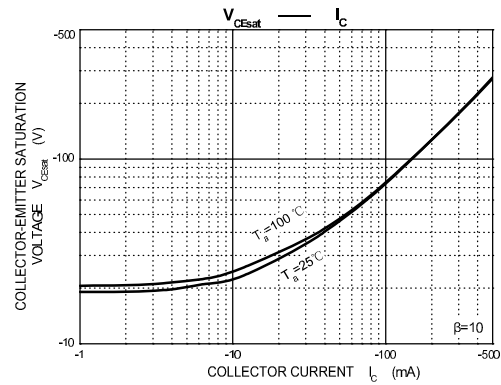
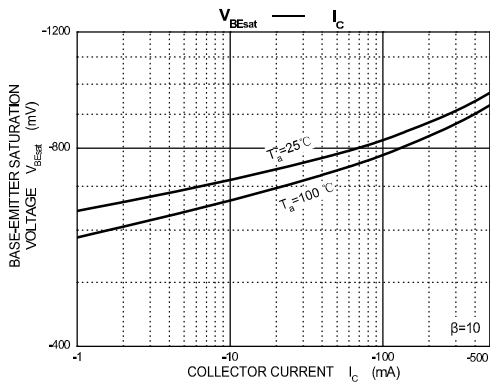
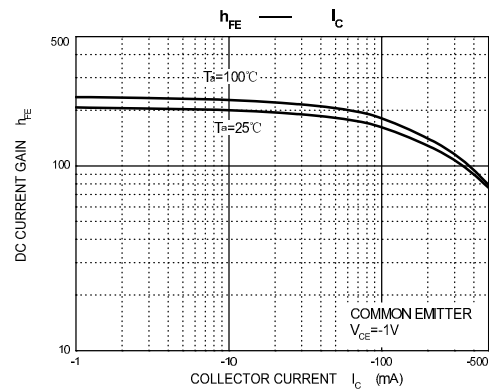
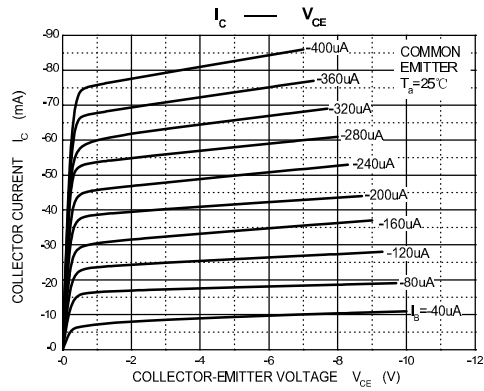
■ Electrical Characteristics $T_a = 25^\circ C$

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V_{CB0}	$I_c = -100 \mu A, I_E = 0$	-40			V
Collector-emitter breakdown voltage	V_{CE0}	$I_c = -1mA, I_B = 0$	-25			V
Emitter-base breakdown voltage	V_{EB0}	$I_E = -100 \mu A, I_c = 0$	-5			V
Collector cut-off current	I_{cBO}	$V_{CB} = -40V, I_E = 0$			-0.1	μA
Collector cut-off current	I_{cEO}	$V_{CE} = -20V, I_B = 0$			-1	μA
Emitter cut-off current	I_{eBO}	$V_{EB} = -3V, I_c = 0$			-0.1	μA
DC current gain	h_{FE}	$V_{CE} = -1V, I_c = -50mA$	120		400	
		$V_{CE} = -1V, I_c = -500mA$	50			
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_c = -500mA, I_B = -50mA$			-0.5	V
Base-emitter saturation voltage	$V_{BE(sat)}$	$I_c = -500mA, I_B = -50mA$			-1.2	V
Transition frequency	f_T	$V_{CE} = -6V, I_c = -20mA, f = 30MHz$	150			MHz

■ Classification of $h_{FE}(1)$

Type	S8550W
Range	200-350
Marking	2TY

■ Typical Characteristics



Ordering information

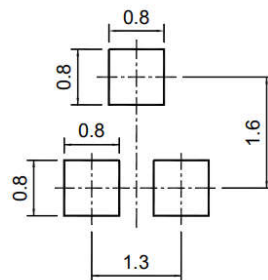
Package	Packing Description	Base Quantity	Packing Quantity
SOT-323	Tape/Reel, 7" reel	3000pcs/Reel	24000PCS/Box 120000PCS/Carton

Package Dimensions

SOT-323

Dim.	Millimeter (mm)		mil	
	Min.	Max.	Min.	Max.
A	0.8	1.1	32	43
A1	0.1		4	
bp	0.3	0.4	12	16
C	0.10	0.25	4	10
D	1.8	2.2	71	87
E	1.15	1.35	45	53
E	1.3		51	
E1	0.65		26	
HE	2.0	2.2	79	87
Lp	0.15	0.45	6	18
Q	0.13	0.23	5.1	9
v	0.2		8	
W	0.2		8	

The recommended mounting pad size



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