



M8550

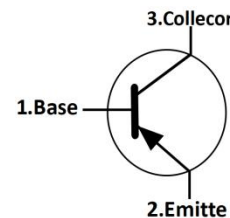
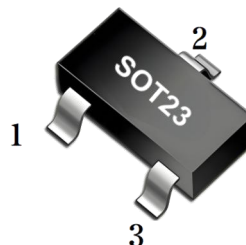
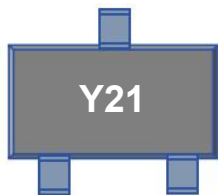
PNP SILICON TRANSISTOR

FEATURES

*Power dissipation

MARKING

Type Code: Marking: Y21



ABSOLUTE MAXIMUM RATINGS (Tc=25°C, unless otherwise specified)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CB0}	Collector-base voltage	-40	V
V _{CE0}	Collector-emitter voltage	-25	V
V _{EB0}	Emitter-base voltage	-6	V
I _c	Collector current	-0.8	A
P _c	Collector Power Dissipation	0.2	W
T _j	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-60~150	°C
R _{θJA}	Thermal Resistance From Junction To Ambient	625	°C/W

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged.
Absolute maximum ratings are stress ratings only and functional device operation is not implied.

ELECTRICAL CHARACTERISTICS (Tc=25°C, unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-100μA, I _E =0	-40		V
Collector-emitter breakdown voltage	V _{(BR)CEO} *	I _C =-1mA, I _B =0	-25		V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-100μA, I _C =0	-6		V
Collector cutoff current	I _{CB0}	V _{CB} =-35V, I _E =0		-0.1	μA
Collector cut-off current	I _{CEO}	V _{CE} =-20V, I _B =0		-0.1	μA
DC Current Gain (CLASSIFICATION OF h _{FE2})	h _{FE1}	V _{CE} =-1V, I _C =-5mA	45		
	h _{FE2}	V _{CE} =-1V, I _C =-100mA	A	85	300
			B	300	400
h _{FE3}	V _{CE} =-1V, I _C =-800mA	40			
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-800mA, I _B =-80mA		-0.5	V
Base-Emitter Saturation Voltage	V _{BE(sat)}	I _C =-800mA, I _B =-80mA		-1.2	V
Transition frequency	f _T	V _{CE} =-6V, I _C =-20mA, f=30MHz	150		MHz

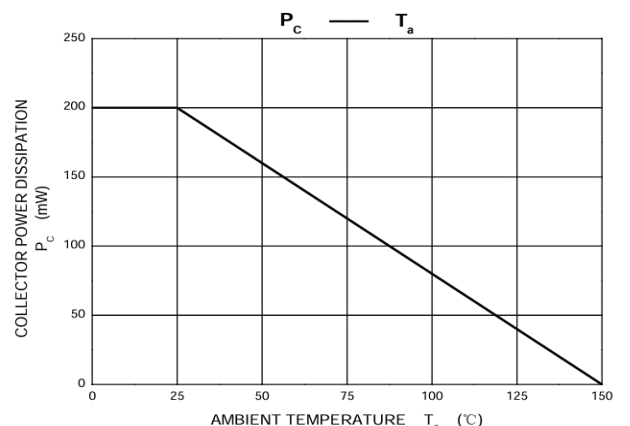
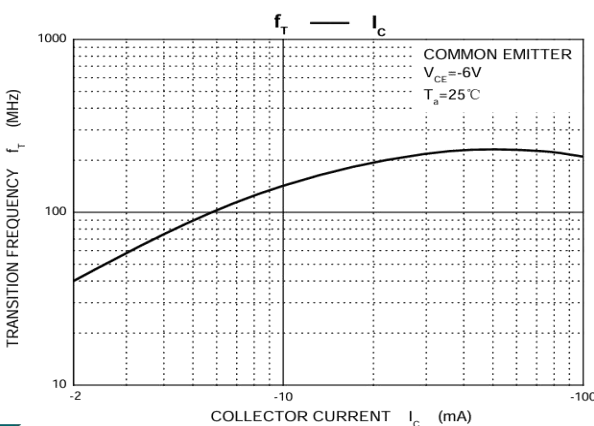
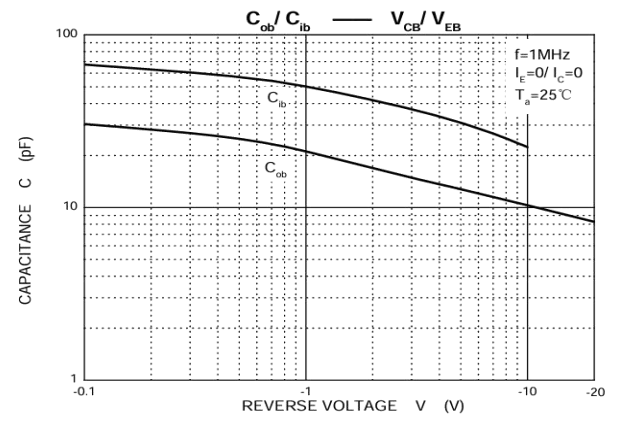
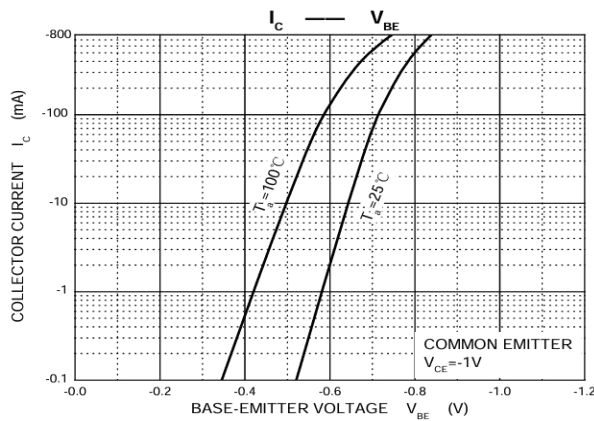
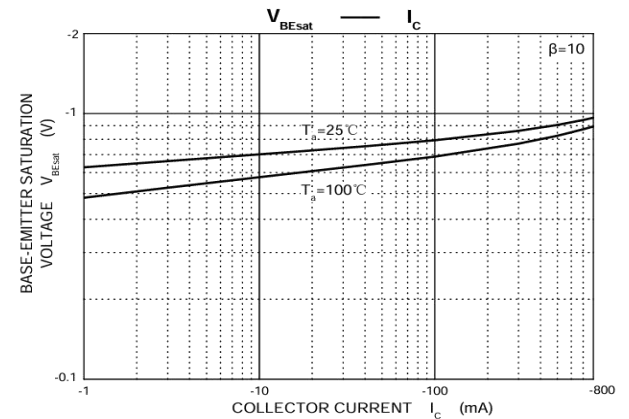
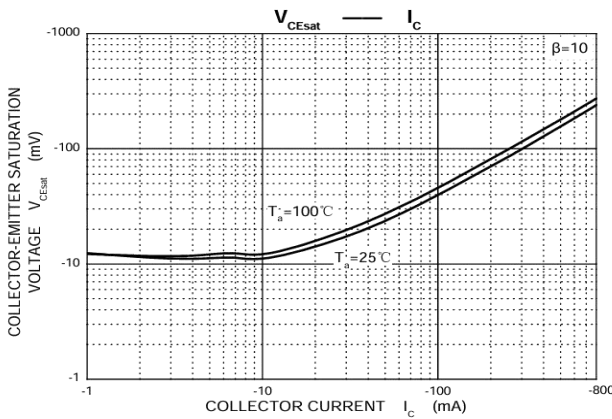
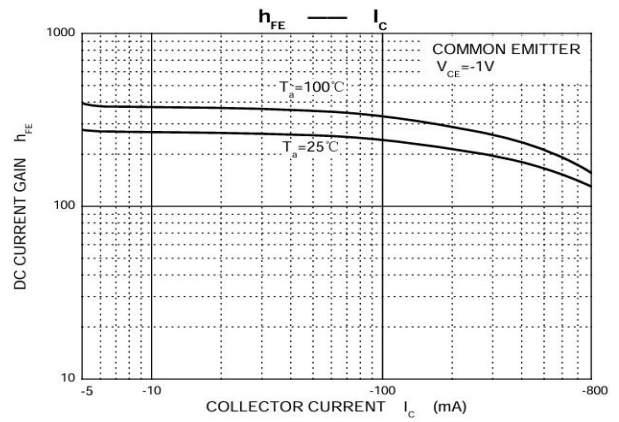
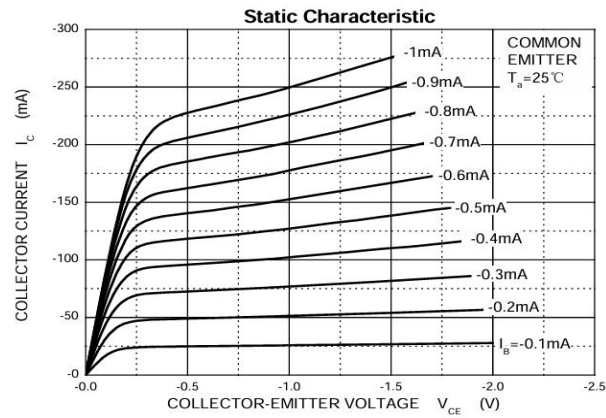
*Note: Pulse test: Pulse Width <300μs, Duty Cycle<2%.



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TYPICAL CHARACTERISTICS

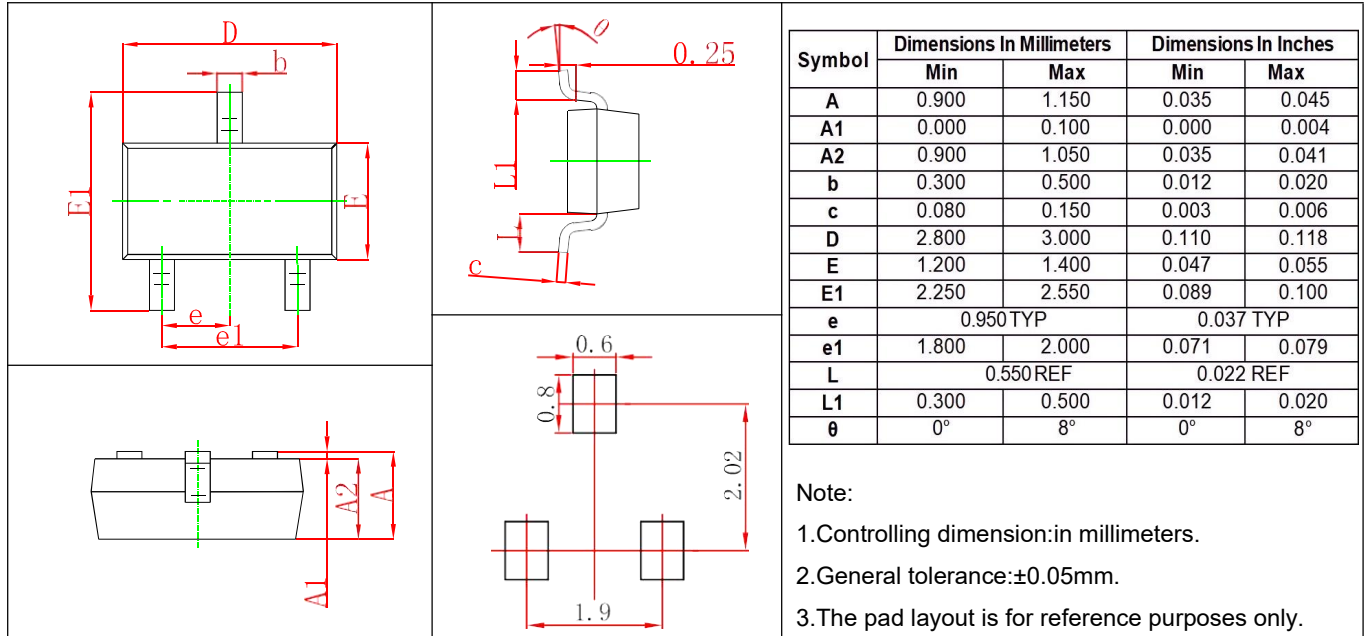




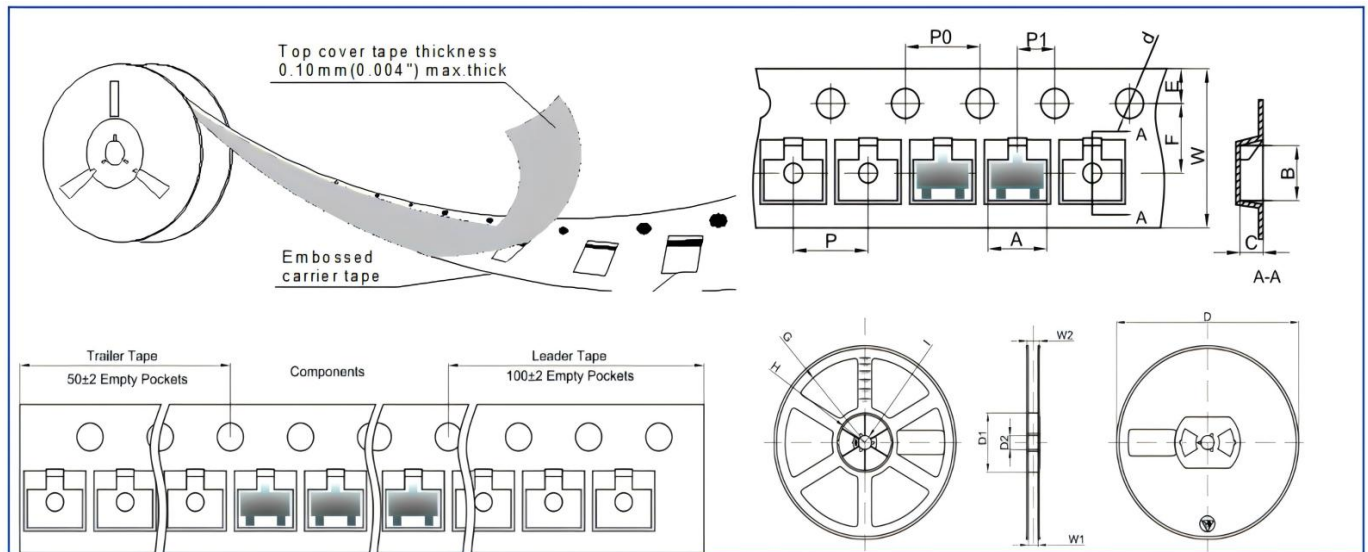
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PNP SILICON TRANSISTOR

■ SOT23 PACKAGE OUTLINE DIMENSIONS



■ REEL PACKING



Dimensions are in millimeter										
PKG TYPE	A	B	C	d	E	F	Po	P	P1	W
SOT-23	3.15	2.77	1.22	Φ1.50	1.75	3.50	4.00	4.00	2.00	8.00
Reel Optiom	D	D1	D2	G	H	I	W1	W2	Q.TY PER REEL	
7" Dia	Φ178.0	54.40	13.00	R78.00	R25.60	R6.50	9.50	12.30	3000PCS	
13" Dia	φ330.0	/	13.00	/	/	R6.50	9.50	12.30	10000PCS	