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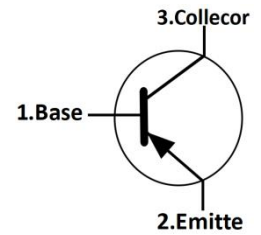
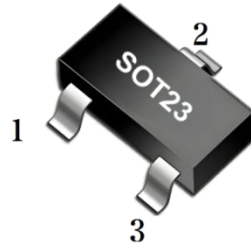
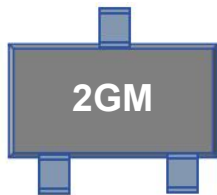
PNP SILICON TRANSISTOR

FEATURES

*General Purpose Amplifier Applications

MARKING

Type Code: Marking: 2GM



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

SYMBOL	PARAMETER	VALUE	UNIT
V _{CB0}	Collector-base voltage	-80	V
V _{CE0}	Collector-emitter voltage	-80	V
V _{EB0}	Emitter-base voltage	-4	V
I _c	Collector current	-500	mA
P _c	Collector Power Dissipation	350	mW
T _j	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55~150	°C
θ _{JA}	Thermal Resistance From Junction To Ambient	555	°C/W

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	-80		V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =-1mA, I _B =0	-80		V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-100μA, I _C =0	-4		V
Collector cutoff current	I _{CBO}	V _{CB} =-80V, I _E =0		-0.1	μA
Collector cut-off current	I _{CEO}	V _{CE} =-60V, I _B =0		-1	μA
Emitter cut-off current	I _{EBO}	V _{EB} =-4V, I _C =0		-0.1	μA
DC Current Gain	h _{FE1}	V _{CE} =-1V, I _C =-10mA	100	400	
	h _{FE2}	V _{CE} =-1V, I _C =-100mA	100		
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-100mA, I _B =-10mA		-0.25	V
Base-Emitter Saturation Voltage	V _{BE}	V _{CE} =-1V, I _C =-100mA		-1.2	V
Transition frequency	f _T	V _{CE} =-1V, I _C =-100mA, f=100MHz	50		MHz

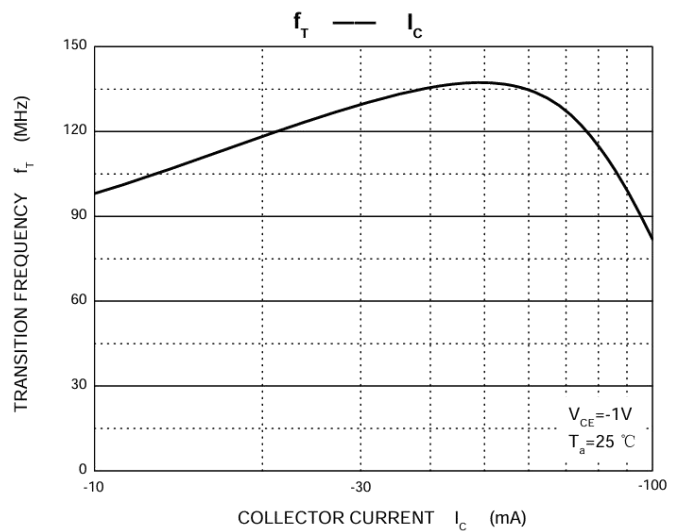
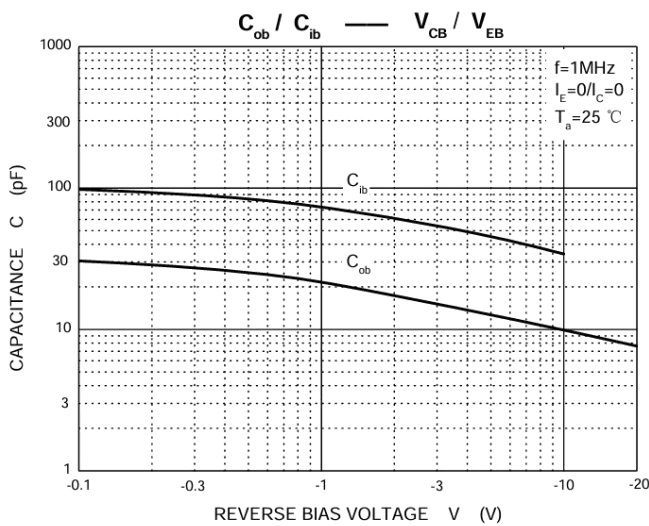
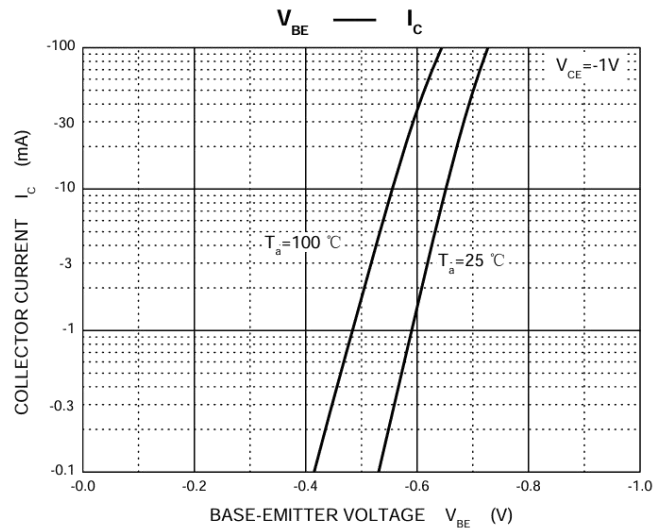
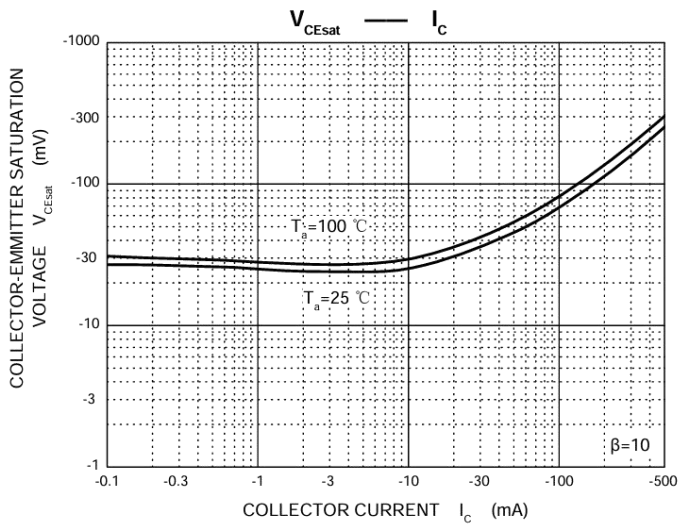
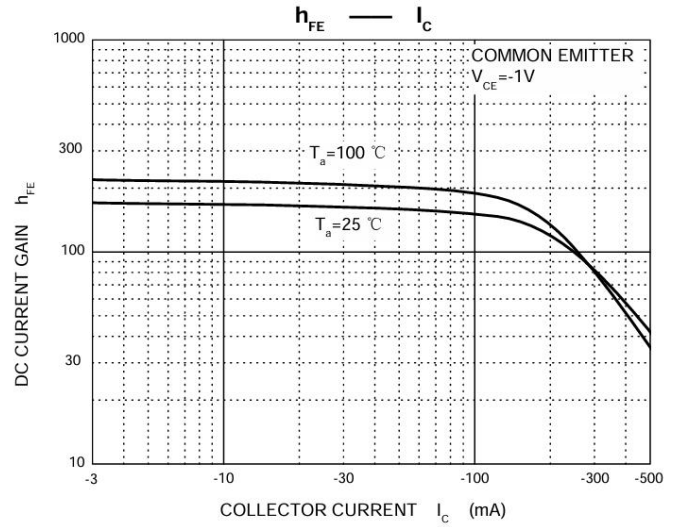
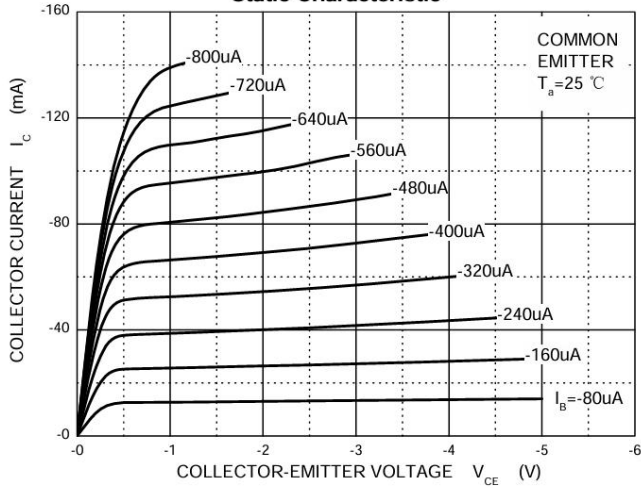


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TYPICAL CHARACTERISTICS

Static Characteristic

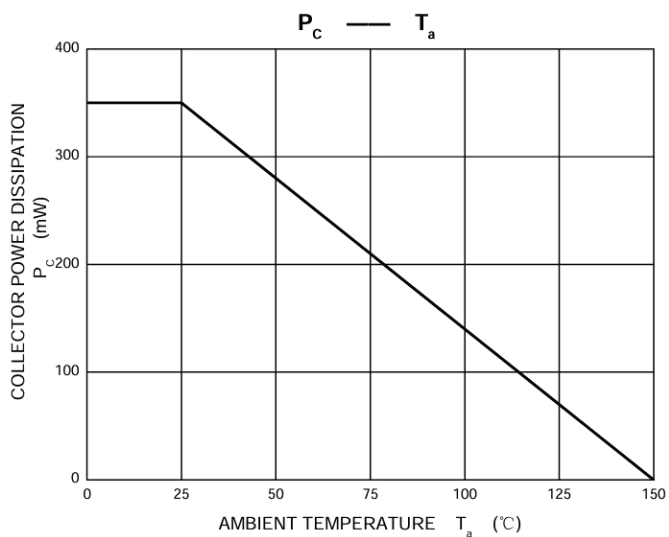




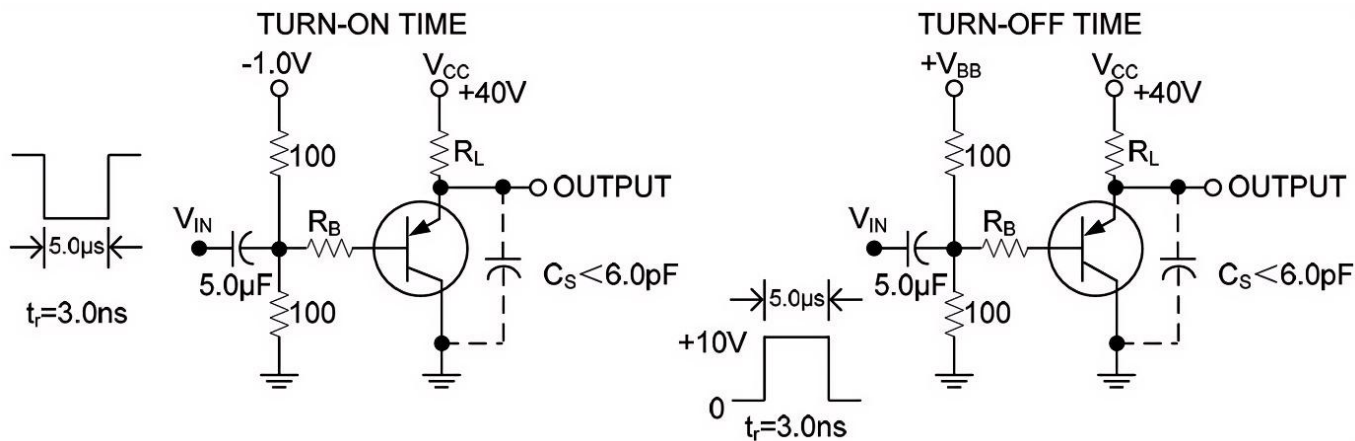
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PNP SILICON TRANSISTOR

TYPICAL CHARACTERISTICS(Con.t)



SWITCHING TIME TEST CIRCUITS





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PNP SILICON TRANSISTOR

SOT23 PACKAGE OUTLINE DIMENSIONS

Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.150	0.035	0.045
A1	0.000	0.100	0.000	0.004
A2	0.900	1.050	0.035	0.041
b	0.300	0.500	0.012	0.020
c	0.080	0.150	0.003	0.006
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
E1	2.250	2.550	0.089	0.100
e	0.950 TYP		0.037 TYP	
e1	1.800	2.000	0.071	0.079
L	0.550 REF		0.022 REF	
L1	0.300	0.500	0.012	0.020
θ	0°	8°	0°	8°

Note:
1. Controlling dimension: in millimeters.
2. General tolerance: ±0.05mm.
3. The pad layout is for reference purposes only.

REEL PACKING

Top cover tape thickness 0.10mm (0.004") max. thick

Embossed carrier tape

Trailer Tape 50±2 Empty Pockets

Components

Leader Tape 100±2 Empty Pockets

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	