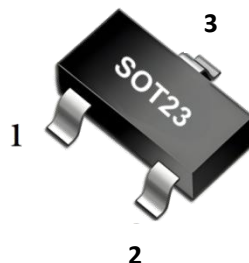
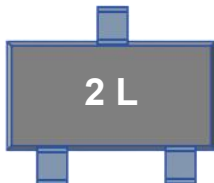


FEATURES

- * Complementary to MMBT5551
- * Ideal for Medium Power Amplification and Switching

MARKING

Type Code: Marking: 2 L



1. BASE
2. EMITTER
3. COLLECTOR

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

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-base voltage	-160	V
V _{CEO}	Collector-emitter voltage	-150	V
V _{EBO}	Emitter-base voltage	-5	V
I _C	Collector current	-0.6	A
P _C	Collector Power Dissipation	350	mW
T _j	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55~150	°C
ROJA	Thermal Resistance From Junction To Ambient	416	°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.

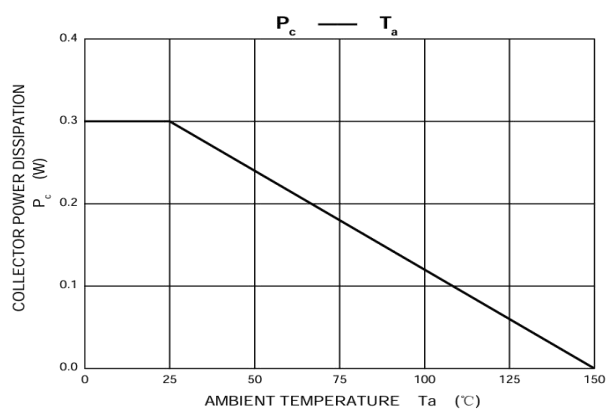
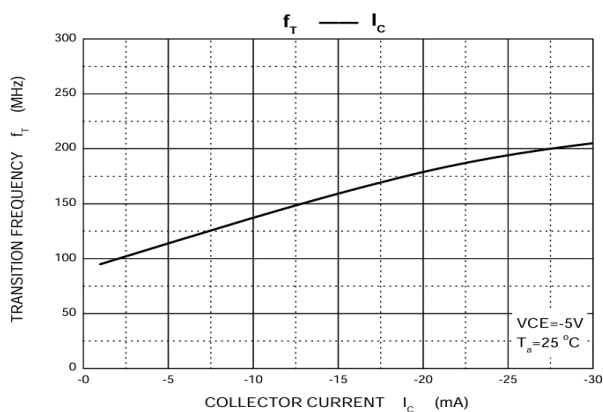
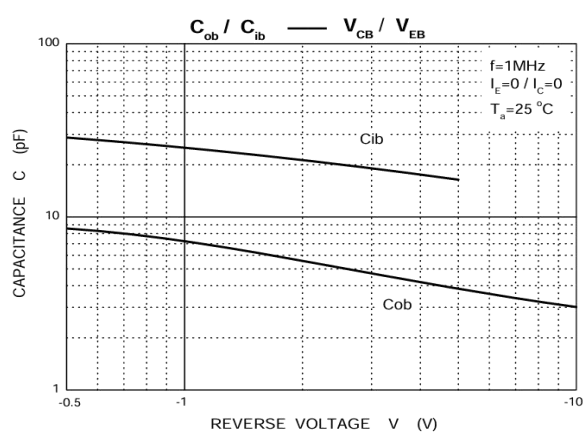
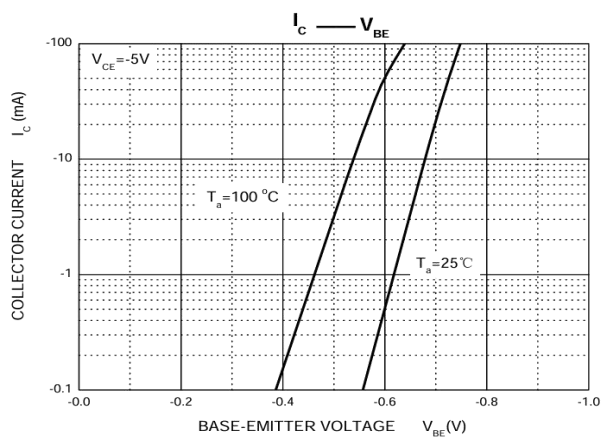
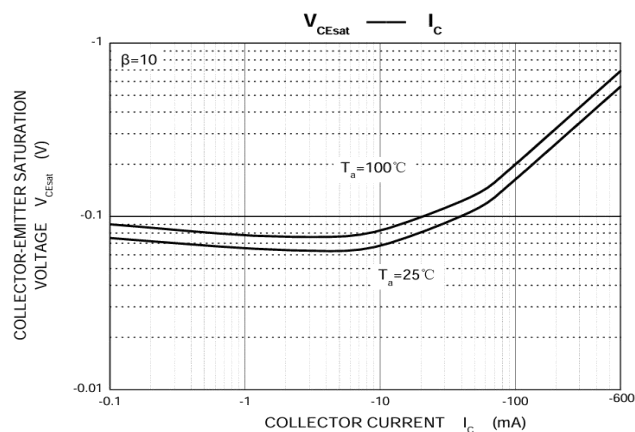
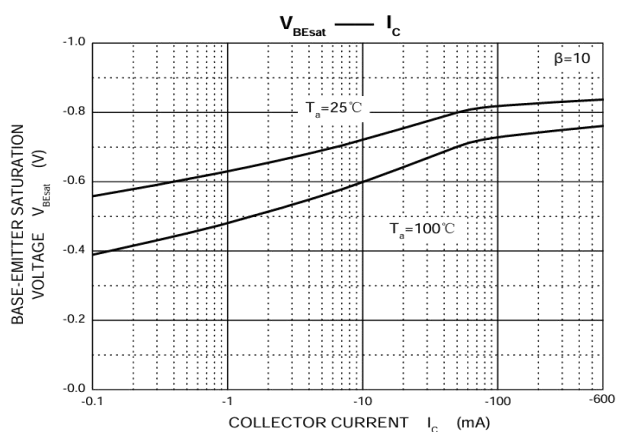
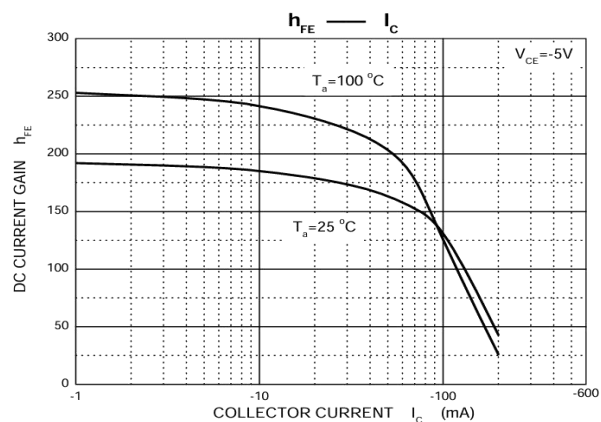
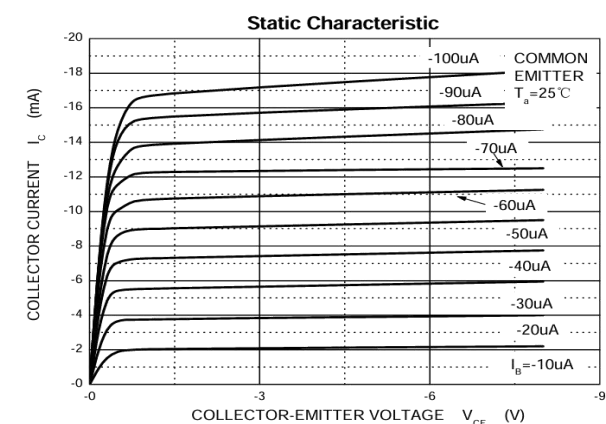
ELECTRICAL CHARACTERISTICS (Tc=25°C, unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-100μA, I _E =0	-160		V
Collector-emitter breakdown voltage	V _{(BR)CEO} *	I _C =-1mA, I _B =0	-150		V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-100μA, I _C =0	-5		V
Collector cutoff current	I _{CBO}	V _{CB} =-120V, I _E =0		-0.1	μA
Emitter cut-off current	I _{EBO}	V _{EB} =-4V, I _C =0		-0.1	μA
DC Current Gain (CLASSIFICATION OF h _{FE2})	h _{FE1} *	V _{CE} =-5V, I _C =-1mA	80		
	h _{FE2} *	V _{CE} =-5V, I _C =-10mA	100	200	
			200	300	
	h _{FE3} *	V _{CE} =-5V, I _C =-50mA	50		
Collector-emitter saturation voltage	V _{CE(sat)} *	I _C =-10mA, I _B =-1mA		-0.2	V
	V _{CE(sat)} *	I _C =-50mA, I _B =-5mA		-0.5	V
Base-Emitter Saturation Voltage	V _{BE(sat)} *	I _C =-10mA, I _B =-1mA		-1	V
	V _{BE(sat)} *	I _C =-50mA, I _B =-5mA		-1	V
Transition frequency	f _T	V _{CE} =-6V, I _C =-20mA, f=30MHz	150		MHz

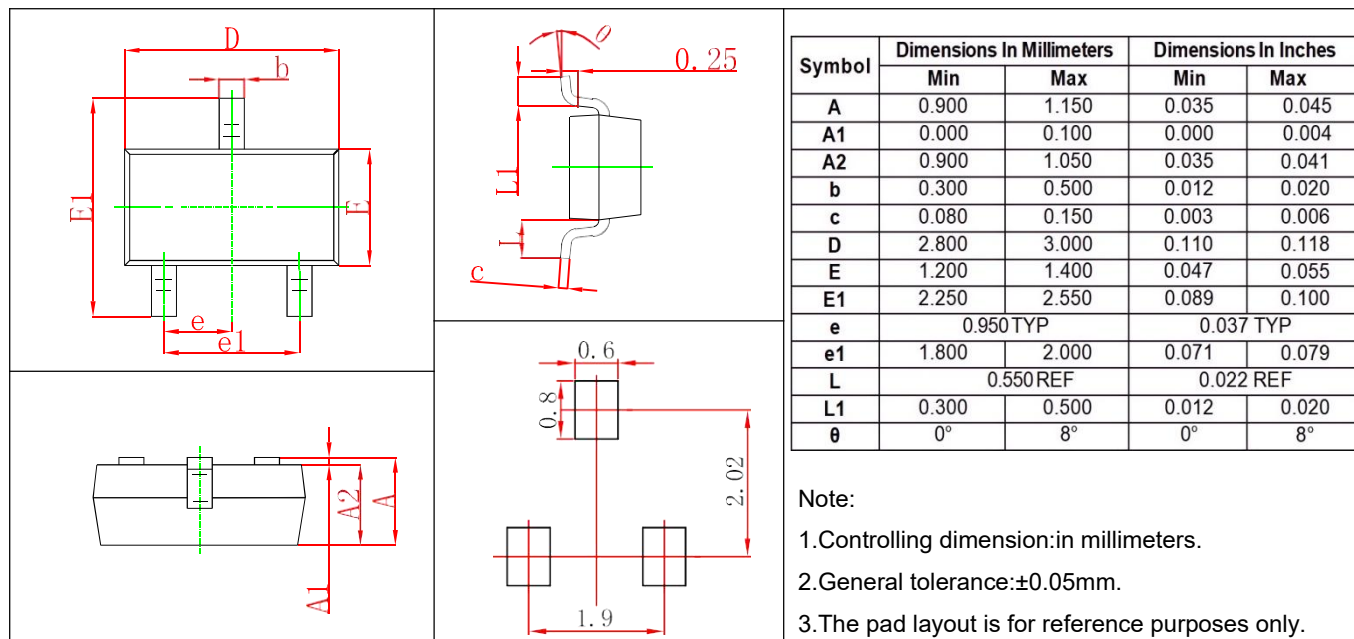
*Note: Pulse test: PW<300μs, Duty Cycle<2%.



TYPICAL CHARACTERISTICS



■ SOT23 PACKAGE OUTLINE DIMENSIONS



■ REEL PACKING

