

TDS:EMIC

拓 電 半 導 體

自主封測 品質把控 售後保障

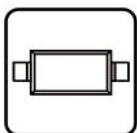
WEB | WWW.TDSEMIC.COM



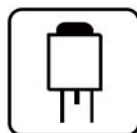
電源管理



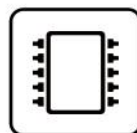
顯示驅動



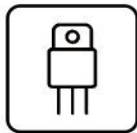
二三極管



LDO穩壓器



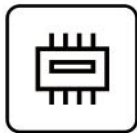
觸摸芯片



MOS管



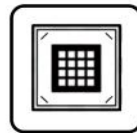
運算放大器



存儲芯片



MCU



串口通信

SS8550 Y2-TD (0.35)

產品規格說明書

FEATURES:

- ※ Complementary to SS8050
- ※ Collector Current: $I_C=1.5A$

MARKING:CBG/CBL

MAXIMUM RATINGS ($T_a=25^{\circ}C$ unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector-Base Voltage	VCBO	-40	V
Collector-Emitter Voltage	VCEO	-25	V
Emitter-Base Voltage	VEBO	-5	V
Collector Current	IC	-1500	mA
Collector Power Dissipation	PC	300	mW
Thermal Resistance From Junction To Ambient	R θ JA	417	$^{\circ}C/W$
Junction Temperature	Tj	150	$^{\circ}C$
Storage Temperature	Tstg	-55~+150	$^{\circ}C$

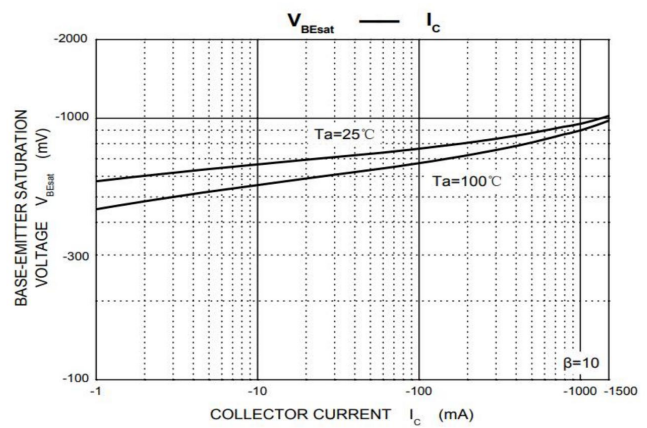
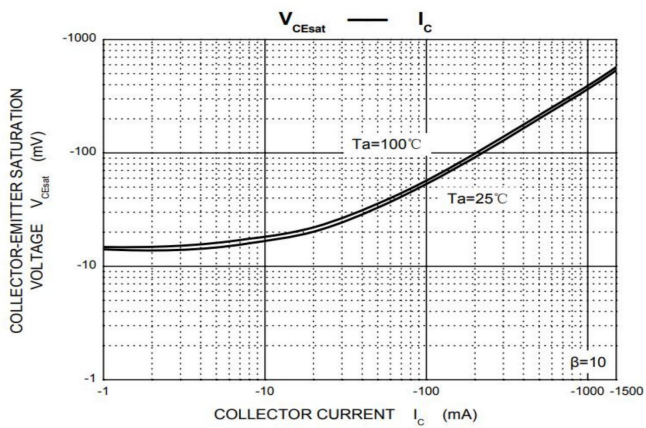
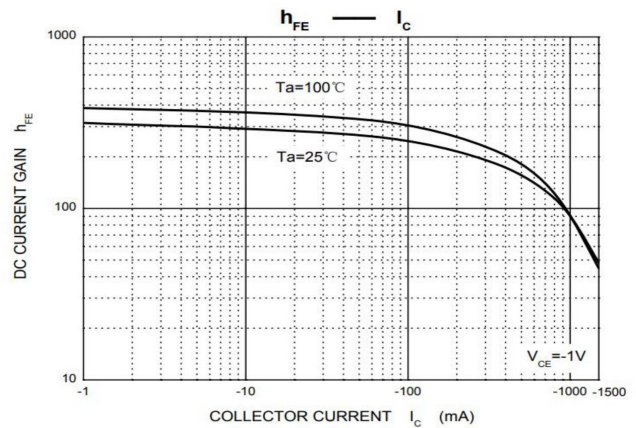
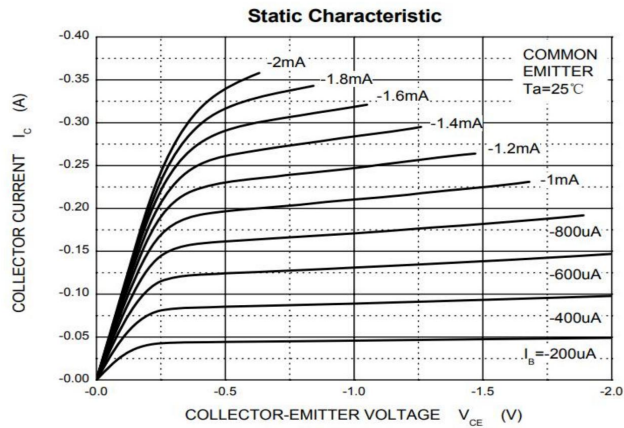
ELECTRICAL CHARACTERISTICS ($T_a=25^{\circ}C$ unless otherwise specified)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Collector-base breakdown voltage	V(BR)CBO	$I_C = -100\mu A, I_E = 0$	-40			V
Collector-emitter breakdown voltage	V(BR)CEO	$I_C = -0.1mA, I_B = 0$	-25			V
Emitter-base breakdown voltage	V(BR)EBO	$I_E = -100\mu A, I_C = 0$	-5			V
Collector cut-off current	ICBO	$V_{CB} = -40V, I_E = 0$			-0.1	μA
Collector cut-off current	ICEO	$V_{CB} = -25V, I_E = 0$			-0.1	μA
Emitter cut-off current	IEBO	$V_{EB} = -5V, I_C = 0$			-0.1	μA
DC current gain	hFE	$V_{CE} = -1V, I_C = -100mA$	120		400	
	hFE	$V_{CE} = -1V, I_C = -800mA$	40			
Collector-emitter saturation voltage	VCE(sat)	$I_C = -500mA, I_B = -50mA$			-0.6	V
Base-emitter saturation voltage	VBE(sat)	$I_C = -500mA, I_B = -50mA$			-1.2	V
Transition frequency	fT	$V_{CE} = -10V, I_C = -50mA$ f=30MHz	100			MHz
Collector Output Capacitance	Cob	$V_{CB} = -10V, I_E = 0,$ f=1MHz			20	PF

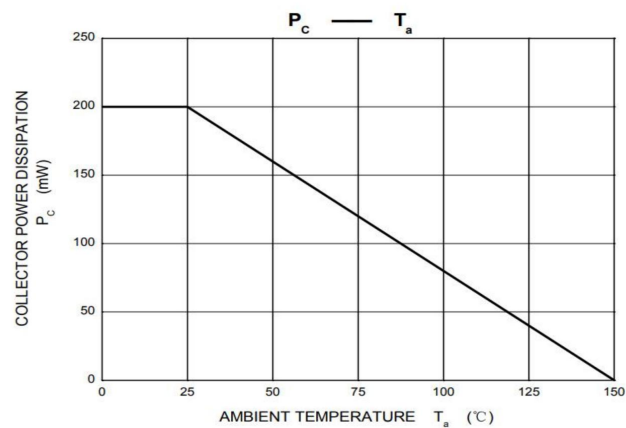
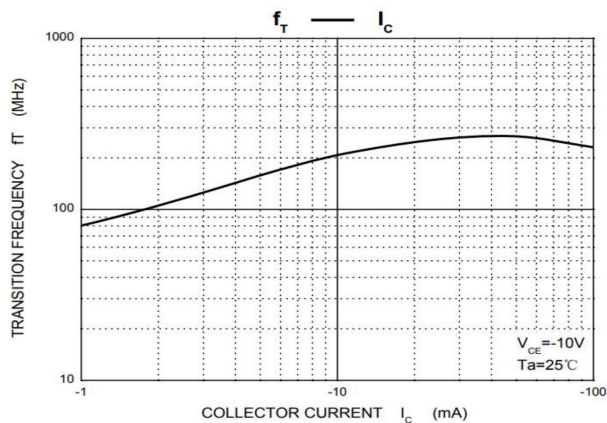
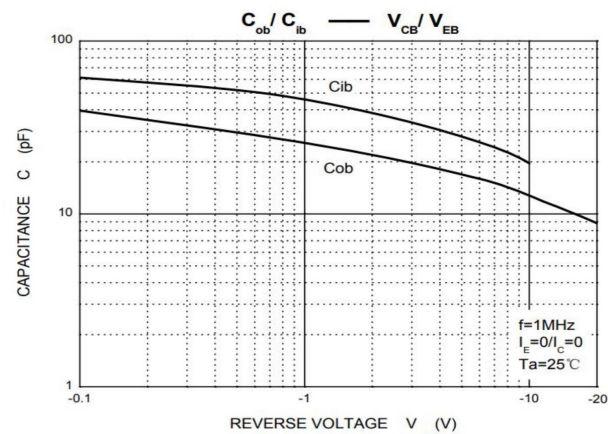
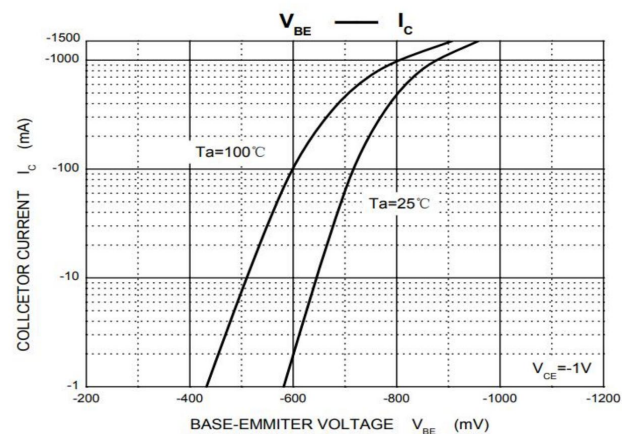
CLASSIFICATION OF hFE

Rank	L	H	J
Range	120-200	200-350	300-400

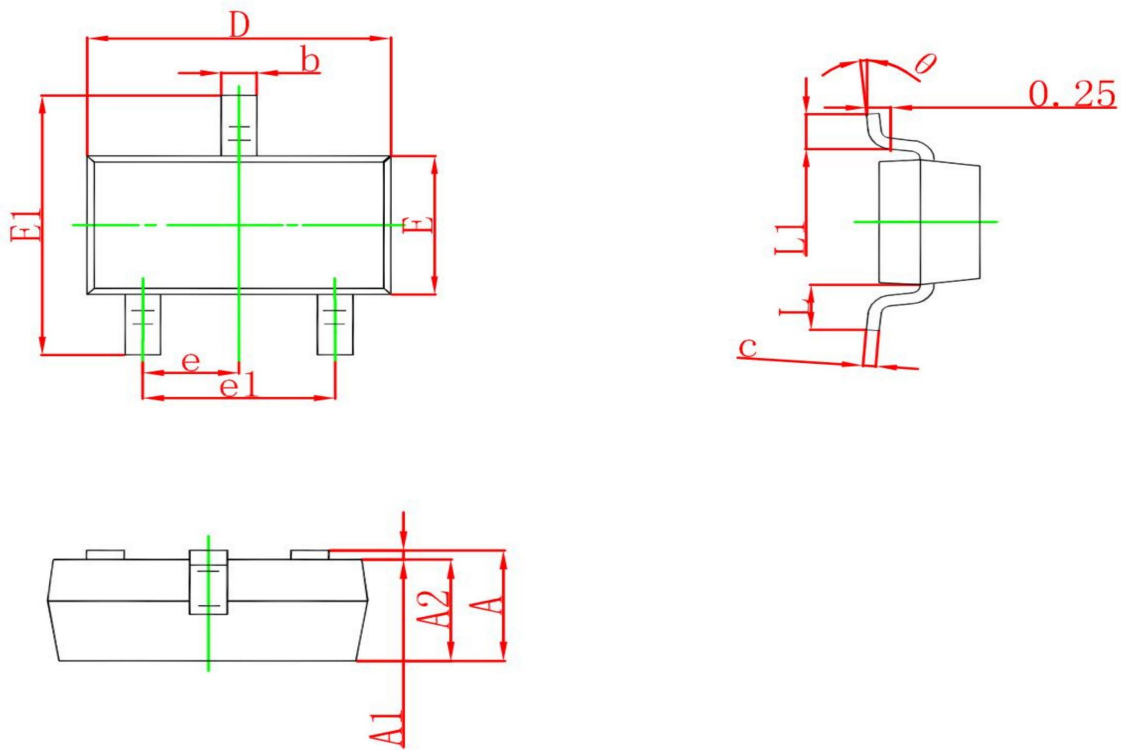
Typical Electrical and Thermal Characteristics



Typical Electrical and Thermal Characteristics



SOT-23 Package Outline Dimesions



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°