

## 自主封測 品質把控 售後保障

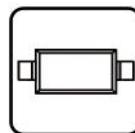
WEB | [WWW.TDSEMIC.COM](http://WWW.TDSEMIC.COM)



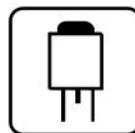
電源管理



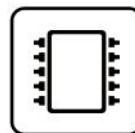
顯示驅動



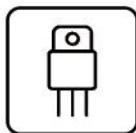
二三極管



LDO穩壓器



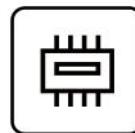
觸摸芯片



MOS管



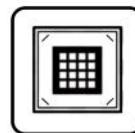
運算放大器



存儲芯片



MCU



串口通信

S9014 J6-TD (0.26)

產品規格說明書

## FEATURES:

- ※ Complementary to S9015
- ※ Collector Current: Ic=100mA

## MARKING:J6

### MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector-Base Voltage	VCBO	50	V
Collector-Emitter Voltage	VCEO	45	V
Emitter-Base Voltage	VEBO	5	V
Collector Current	IC	100	mA
Collector Power Dissipation	PC	200	mW
Thermal Resistance From Junction To Ambient	R <sub>θJA</sub>	625	°C/W
Junction Temperature	T <sub>j</sub>	150	°C
Storage Temperature	T <sub>stg</sub>	-55~+150	°C

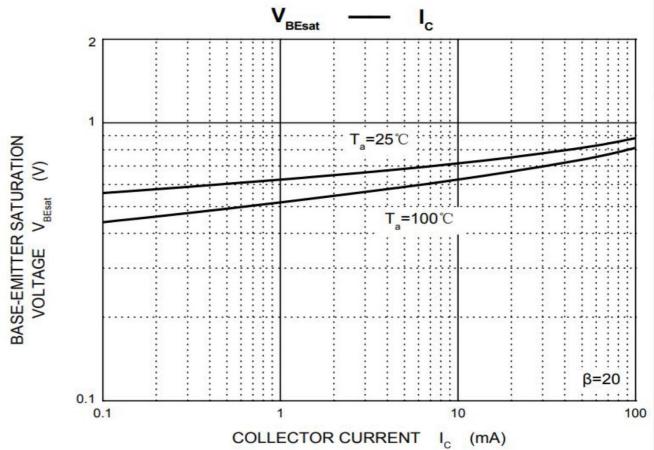
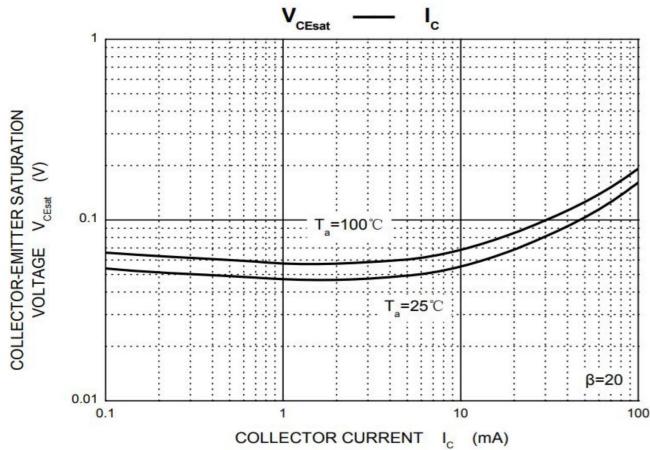
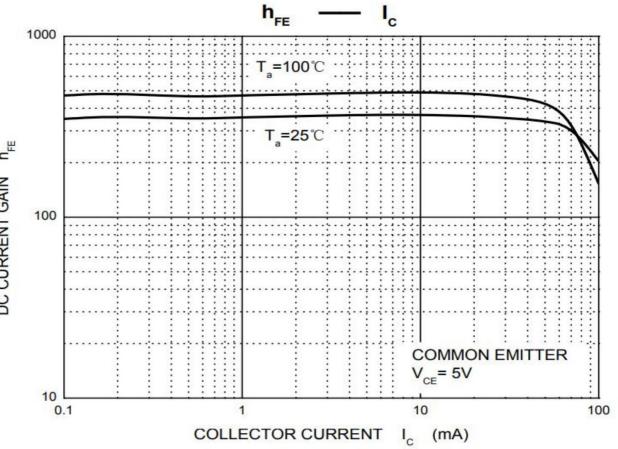
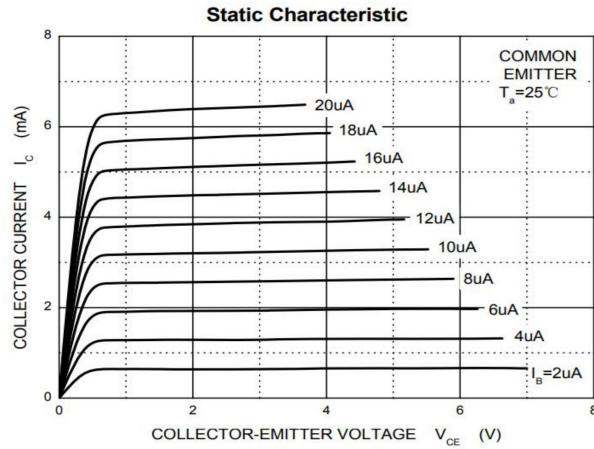
### ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Collector-base breakdown voltage	V(BR)CBO	IC= 100μA, IE=0	50			V
Collector-emitter breakdown voltage	V(BR)CEO	IC= 0.1mA, IB=0	45			V
Emitter-base breakdown voltage	V(BR)EBO	IE= 100μA, IC=0	5			V
Collector cut-off current	ICBO	V <sub>CB</sub> = 50 V , IE=0			0.1	μA
Emitter cut-off current	IEBO	V <sub>EB</sub> = 6V , IC=0			0.1	μA
DC current gain	h <sub>FE</sub>	V <sub>CE</sub> =5V, IC= 1mA	200		1000	
	h <sub>FE</sub>	V <sub>CE</sub> =5V, IC= 10mA	100			
Collector-emitter saturation voltage	V <sub>CE(sat)</sub>	IC=100 mA, IB= 5mA			0.3	V
Base-emitter saturation voltage	V <sub>BE(sat)</sub>	IC=100 mA, IB= 5mA			1	V
Transition frequency	f <sub>T</sub>	V <sub>CE</sub> =6V, IC= 20mA f=30MHz	150			MHz

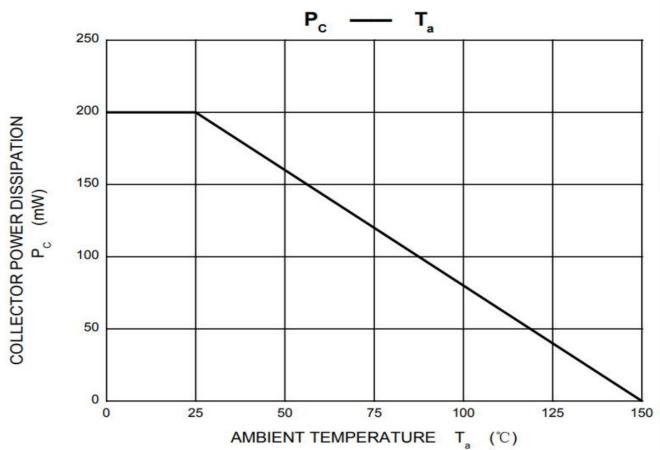
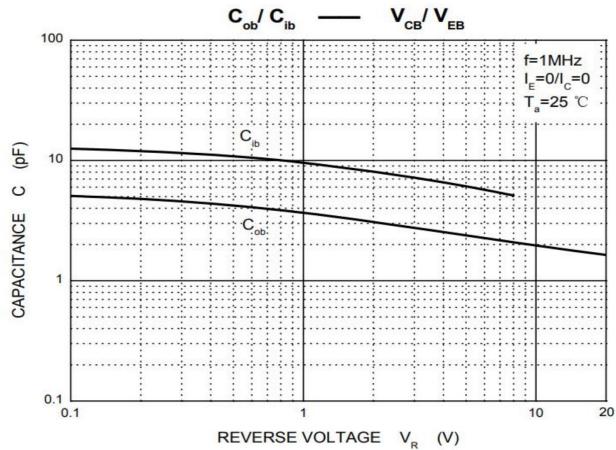
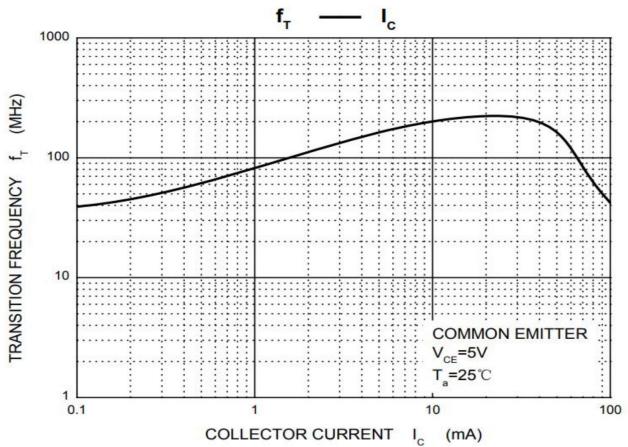
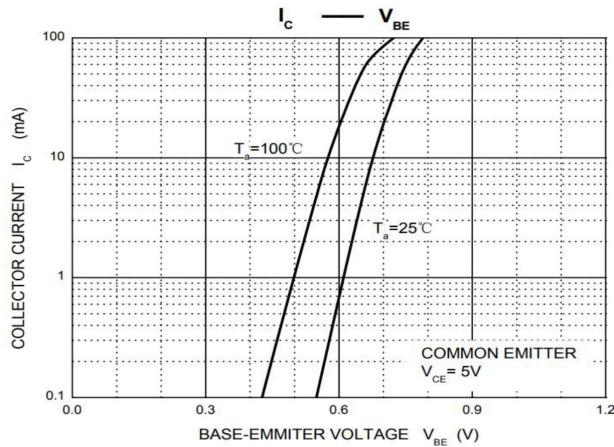
### CLASSIFICATION OF h<sub>FE</sub>

Rank	L	H
Range	200-450	450-1000

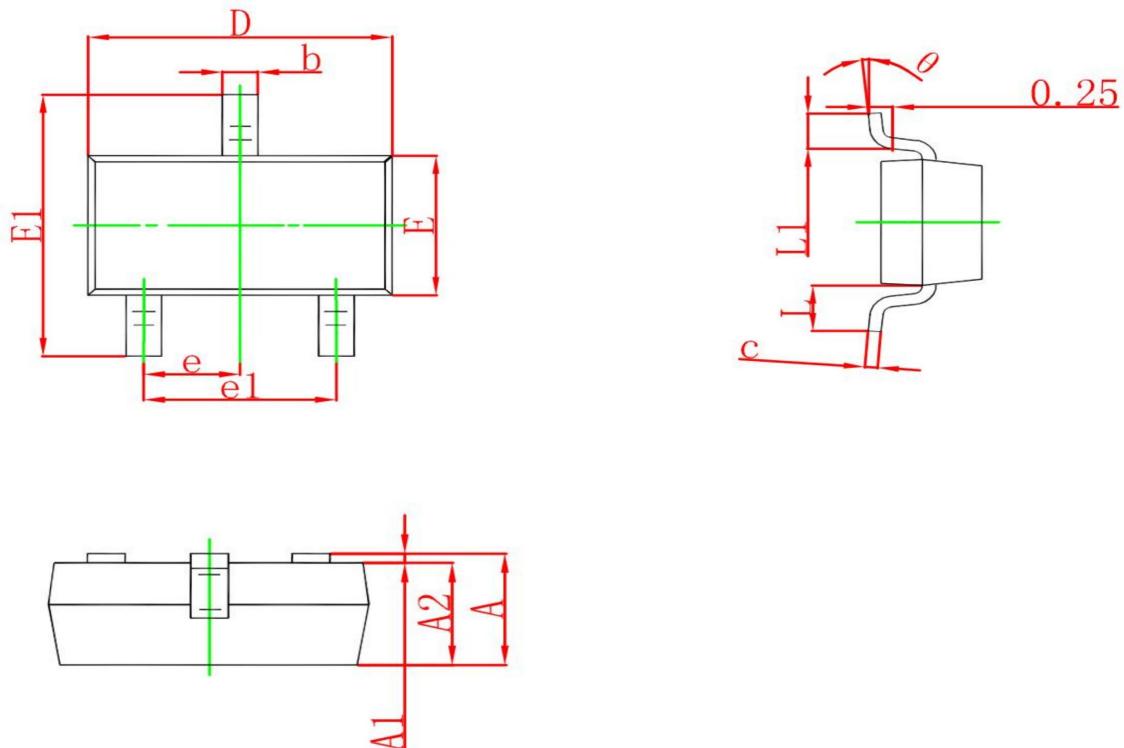
## Typical Electrical and Thermal Characteristics



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## SOT-23 Package Outline Dimensions



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°