

Features

- Low Cob ,Cob = 2.0 pF (Typ).



SOT23

Absolute Maximum Ratings(TA=25℃)

Symbol	Parameter	Value	Uniat
V _{CB0}	Collector-Base Voltage	60	V
V _{CE0}	Collector-Emitter Voltage	50	V
V _{EB0}	Emitter-Base Voltage	7	V
I _C	Collector Current	0.15	A
P _C	Collector Power Dissipation	200	mW
R _{θJA}	Thermal Resistance From Junction To Ambient	625	°C/W
T _J ,T _{stg}	Operation Junction And Storage Temperature Range	-55 ~ +150	°C

Electrical Characteristics (TA=25℃ unless otherwise specified)

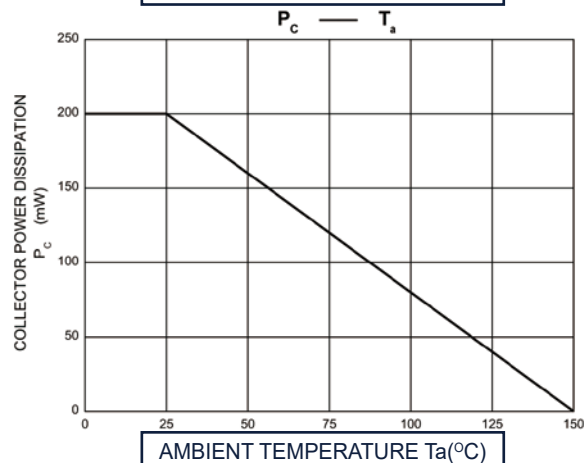
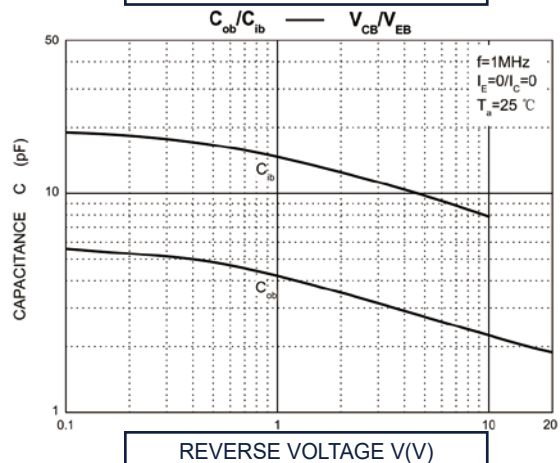
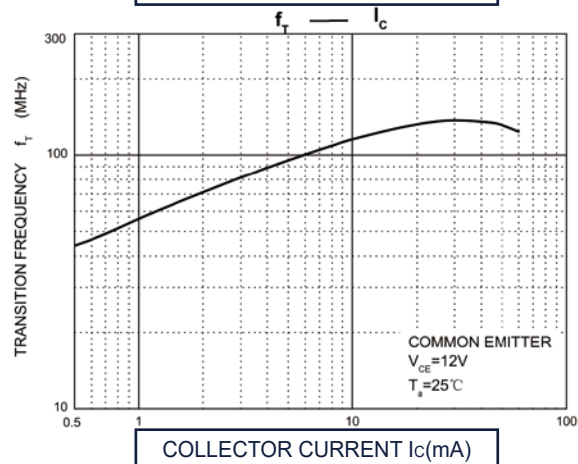
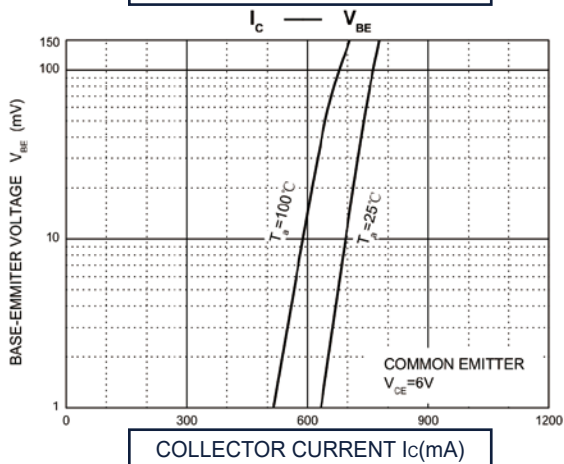
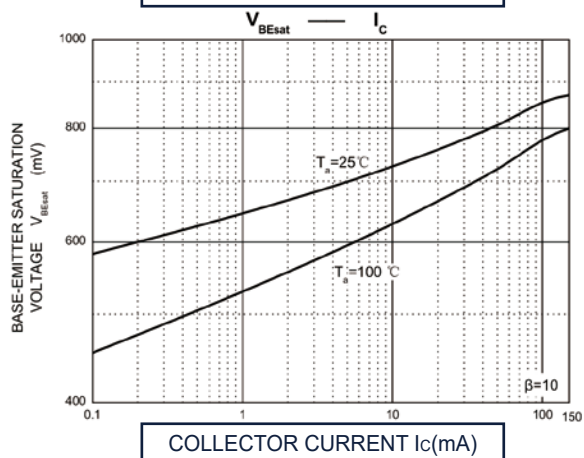
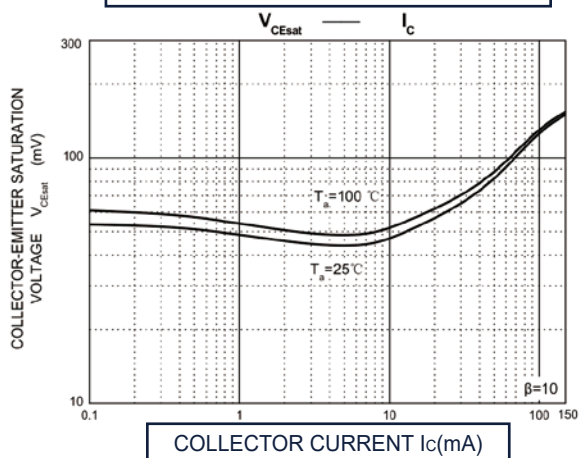
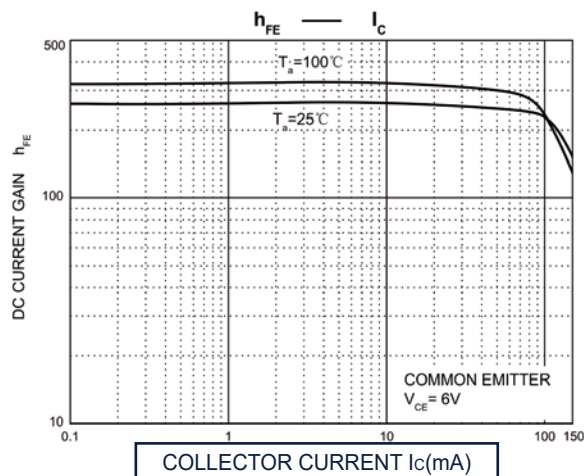
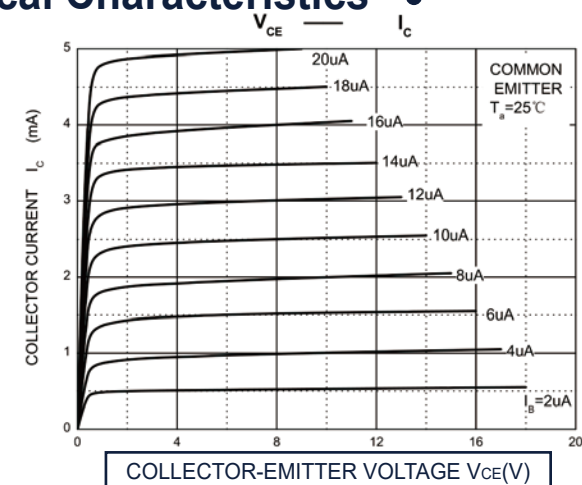
Symbol	Parameter	Test conditions	Min	Typ	Max	Unit
V _{(BR)CBO}	Collector-base breakdown voltage	I _C =50μA, I _E =0	60			V
V _{(BR)CEO}	Collector-emitter breakdown voltage	I _C =1mA, I _B =0	50			V
V _{(BR)EBO}	Emitter-base breakdown voltage	I _E =50μA, I _C =0	7			V
I _{CBO}	Collector cut-off current	V _{CB} =60V, I _E =0			0.1	μA
I _{EBO}	Emitter cut-off current	V _{EB} =7V, I _C =0			0.1	μA
h _{FE}	DC current gain	V _{CE} =6V, I _C =1mA	120		560	
V _{CE(sat)}	Collector-emitter saturation voltage	I _C =50mA, I _B =5mA			0.4	V
f _T	Transition frequency	V _{CE} =12V, I _C =2mA, f=100MHz		160		MHz
Cob	Collector output capacitance	V _{CB} =12V, I _E =0, f=1MHz		2.0	3.5	pF

Ordering information

Product ID	Pack	Naming rule	Marking	hFE(1)	Qty(PCS)
2SC2412	SOT23	2SC2412 ↓ 产品名称 product name	BR	180-390	3000

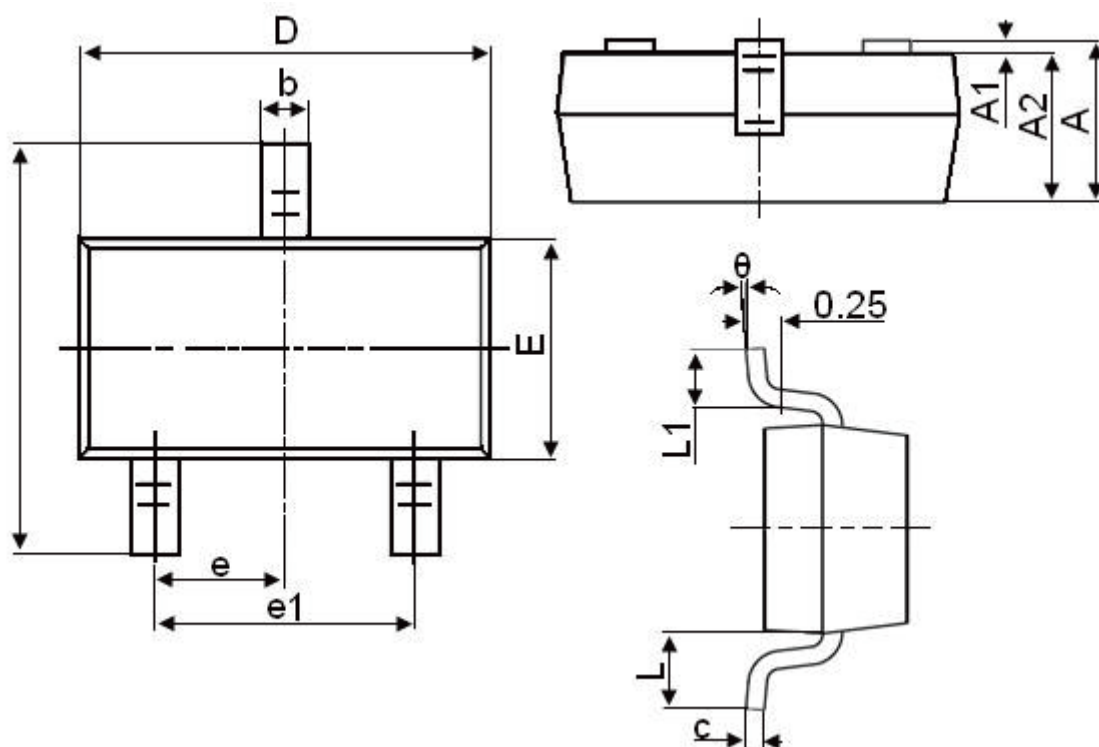


Typical Characteristics





SOT23 Package Outline Dimensions



Symbol	Dimensions in Millimeters	
	mm	
	Min	Max
A	0.900	1.150
A1	0.000	0.100
A2	0.900	1.050
b	0.300	0.500
c	0.080	0.150
D	2.800	3.000
E	1.200	1.400
E1	2.250	2.550
e	0.950TYP	
e1	1.800	2.000
L	0.550REF	
L1	0.300	0.500
θ	0°	8°