

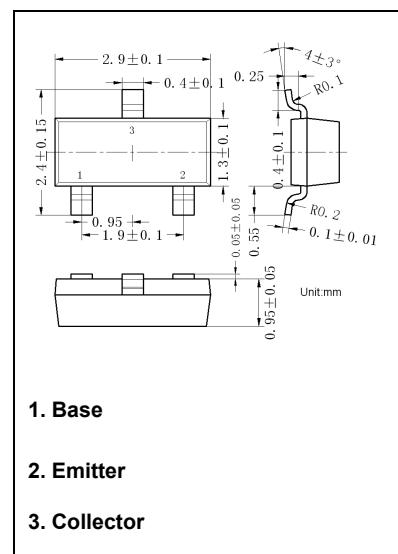
SOT-23 Plastic-Encapsulate Transistors

S9015 TRANSISTOR(PNP)

Features

- Complementary to S9014

Marking: M6



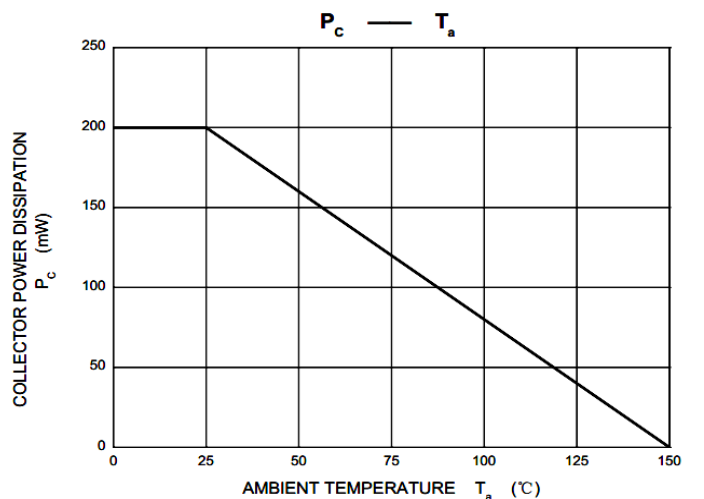
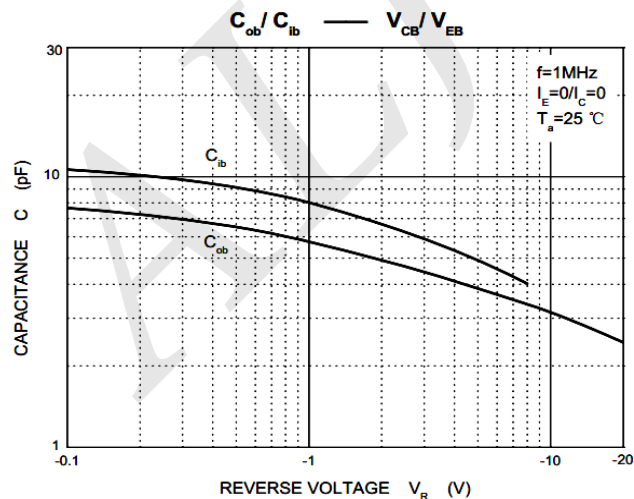
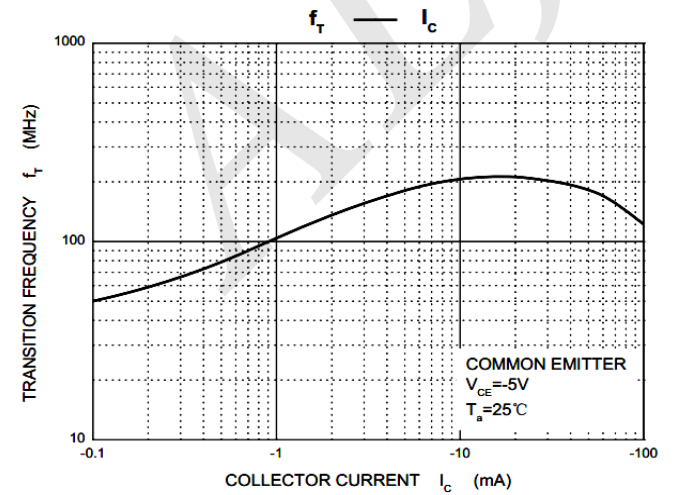
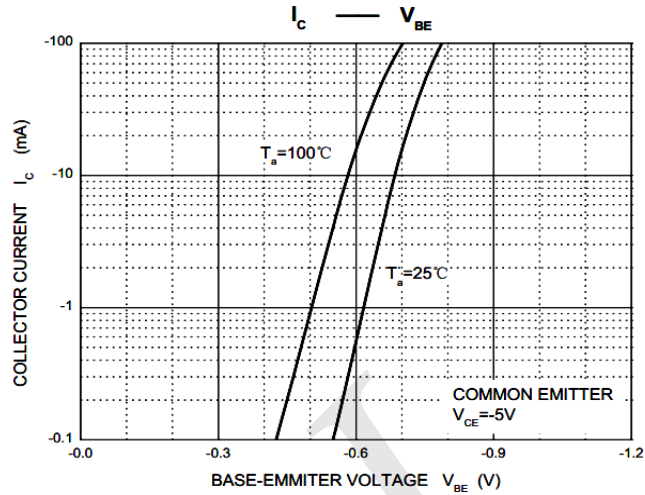
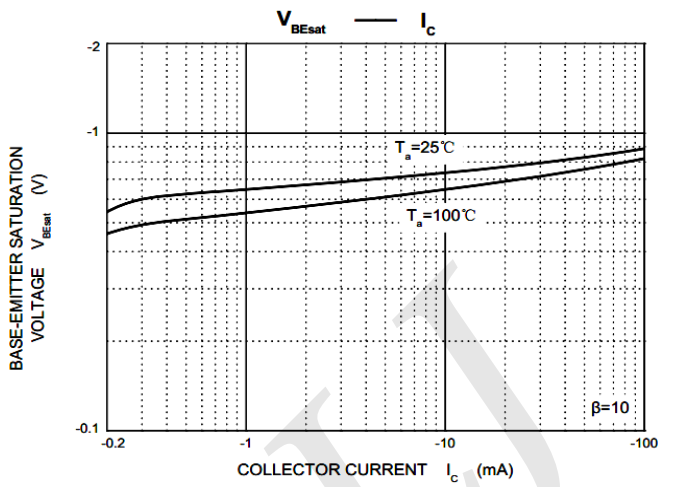
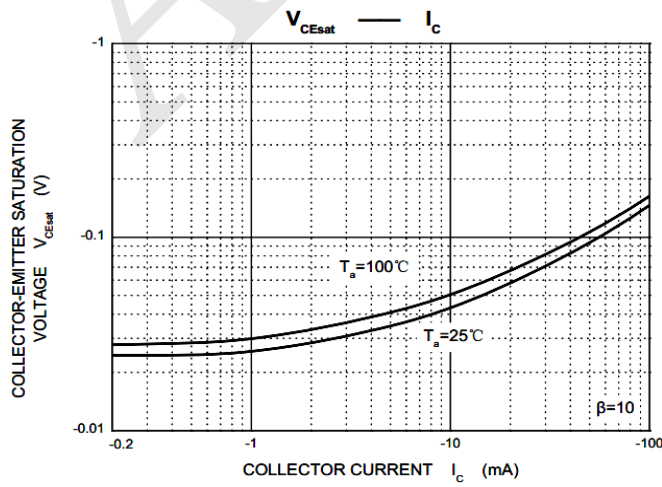
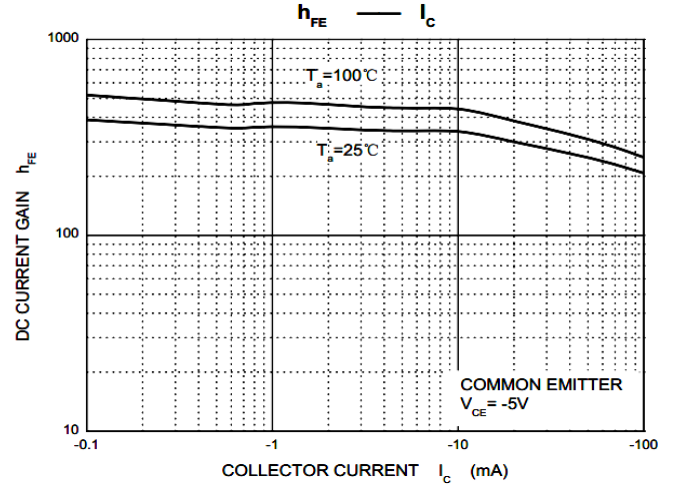
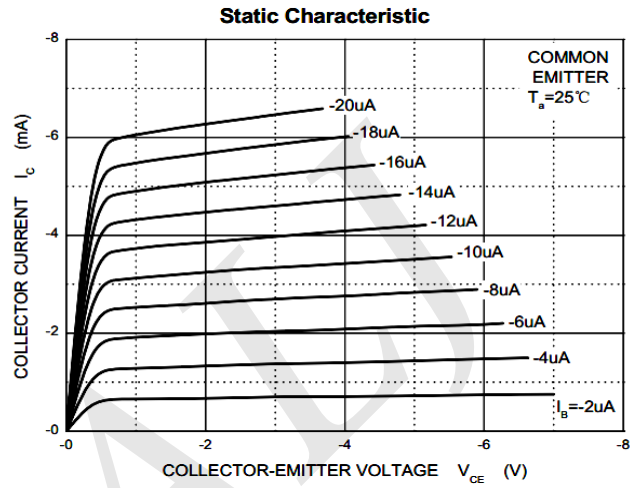
Maximum ratings (T_a=25°C unless otherwise noted)

Symbol	Parameter	Value	Units
V _{CB0}	Collector-Base Voltage	-50	V
V _{CEO}	Collector-Emitter Voltage	-45	V
V _{EBO}	Emitter-Base Voltage	-5	V
I _c	Collector Current-Continuous	-0.1	A
P _c	Collector Power Dissipation	0.2	W
T _j	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55 ~ -150	°C

Electrical Characteristics (T_a=25°C unless otherwise specified)

Symbol	Parameter	Test conditions	Min	Typ	Max	Unit
V _{(BR)CBO}	Collector-base breakdown voltage	I _c = -100uA, I _E = 0	-50			V
V _{(BR)CEO}	Collector-emitter breakdown voltage	I _c = -0.1mA, I _B = 0	-45			V
V _{(BR)EBO}	Emitter-base breakdown voltage	I _c = -100uA, I _c = 0	-5			V
I _{cBO}	Collector cut-off current	V _{CB} = -50V, I _E = 0			-100	nA
I _{EBO}	Emitter cut-off current	V _{EB} = -5V, I _c = 0			-100	nA
H _{FE}	DC current gain	V _{CE} = -5V, I _c = -1mA	200		400	
V _{CE(sat)}	Collector-emitter saturation voltage	I _c = -100mA, I _B = -10mA			-0.3	V
V _{BE(sat)}	Base-emitter saturation voltage	I _c = -100mA, I _B = -10mA			-1.0	V
f _T	Gain Bandwidth Product	V _{CE} = -5V, I _c = -10mA, f = 30MHz	150			MHz

Typical Characteristics



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