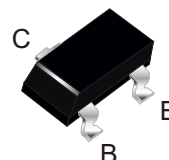


FEATURES

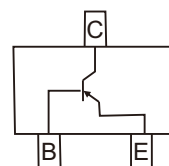
- Epoxy meets UL-94 V-0 flammability rating
- Complementary to MMBTA42
- Power Dissipation of 300mW
- High Stability and High Reliability

SOT-23



MECHANICAL DATA

- Case: SOT-23(TO-236)
- Terminals: Plated solderable per MIL-STD-750, method 2026
- Mounting Position: Any
- Marking: 2D



MAXIMUM RATINGS($T_A=25^{\circ}\text{C}$ Unless otherwise specified)

Parameter	Symbol	Unit	Value
Collector-Emitter Voltage	V_{CEO}	V	-300
Collector-Base Voltage	V_{CBO}	V	-300
Emitter-Base Voltage	V_{EBO}	V	-5
Collector Current, Continuous	I_C	mA	-200
Collector Power Dissipation	P_D	mW	300
Operation Junction Temperature	T_J	$^{\circ}\text{C}$	-55 to +150
Storage Temperature	T_{STG}	$^{\circ}\text{C}$	-55 to +150
Thermal resistance From junction to ambient	$R_{\theta JA}$	$^{\circ}\text{C}/\text{W}$	417

MMBTA92

ELECTRICAL CHARACTERISTICS(T_A=25°C Unless otherwise specified)

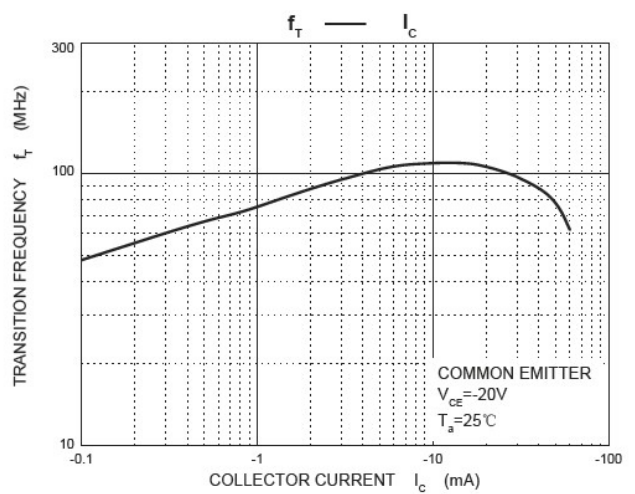
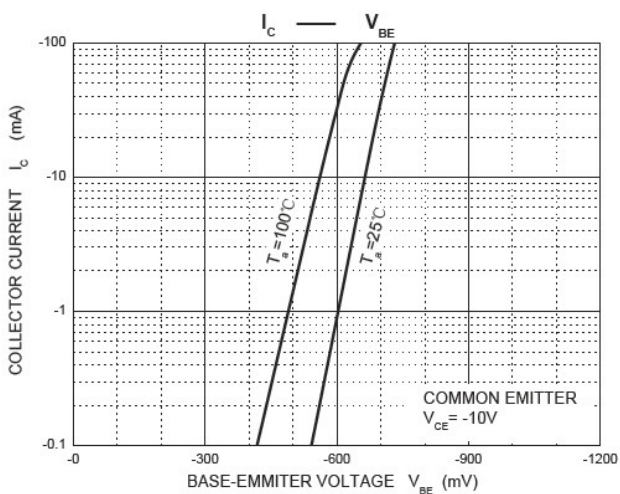
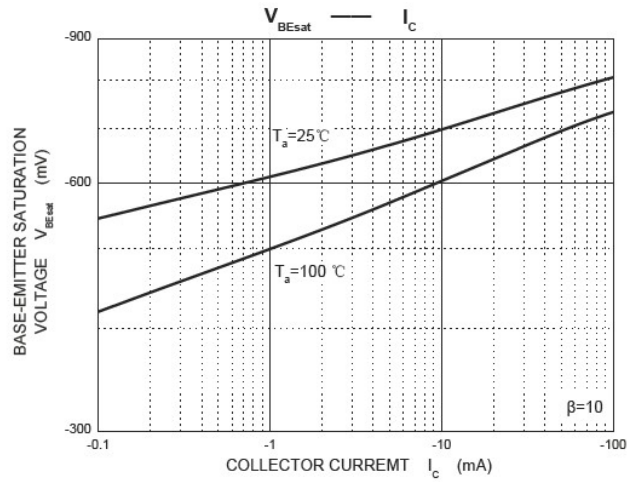
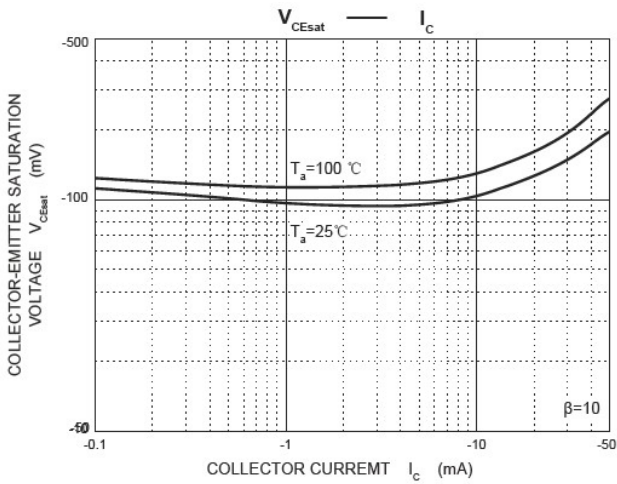
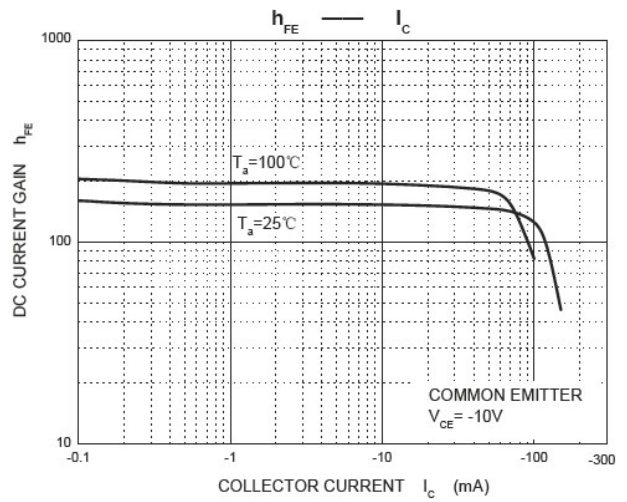
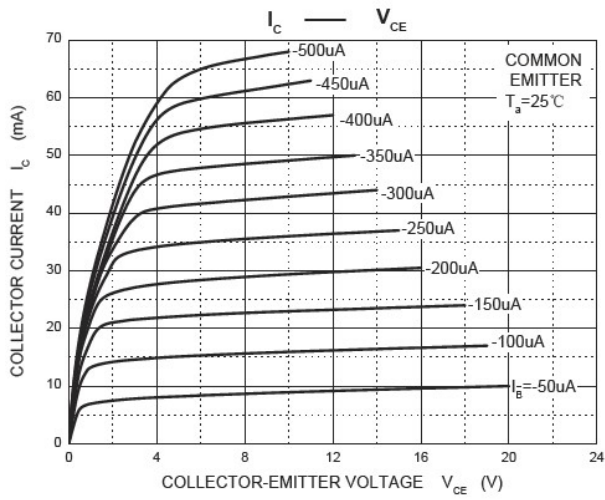
Parameter	Symbol	Unit	Conditions	Min	Max
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	V	I _C =-1mA, I _B =0	-300	---
Collector-Base Breakdown Voltage	V _{(BR)CBO}	V	I _C =-100μA, I _E =0	-300	---
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	V	I _E =-100μA, I _C =0	-5	---
Collector cut-off Current	I _{CBO}	nA	V _{CB} =-200V, I _E =0	---	-250
Emitter cut-off Current	I _{EBO}	nA	V _{EB} =-5V, I _C =0	---	-100
DC Current Gain	h _{FE(1)}		I _C =-1mA, V _{CE} =-10V	60	---
	h _{FE(2)}		I _C =-10mA, V _{CE} =-10V	100	200
	h _{FE(3)}		I _C =-30mA, V _{CE} =-10V	60	---
Collector-Emitter Saturation Voltage	V _{CE(sat)}	V	I _C =-20mA, I _B =-2mA	---	-0.20
Base-Emitter Saturation Voltage	V _{BE(sat)}	V	I _C =-20mA, I _B =-2mA	---	-0.90
Current Gain-Bandwidth Product	f _T	MHz	I _C =-10mA, V _{CE} =-20V f=30MHz	50	---

Pulse test:pulse width≤300us,duty cycle≤2.0%

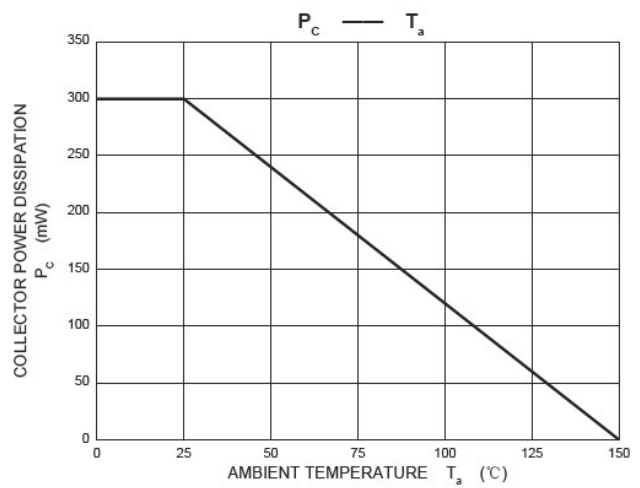
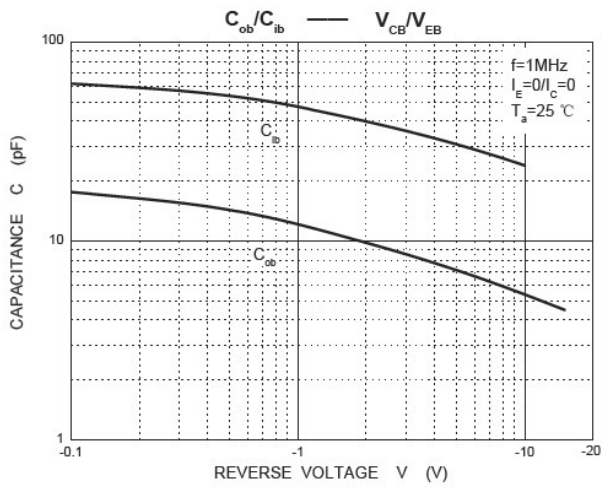
AVAILABALE PACK INFORMATION

Product code	Pack	Reel Size (mm)	Quantity (Pcs/reel)	Quantity (pcs/box)	Quantity (pcs/carton)
MMBTA92	T/R	Φ180	3K	30K	120K

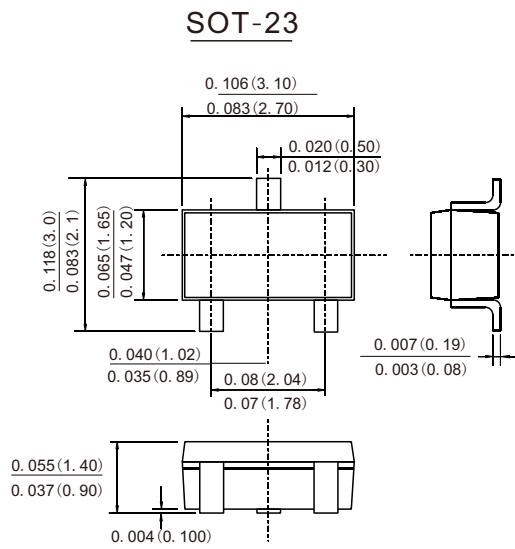
Characteristics(Typical)



MMBTA92

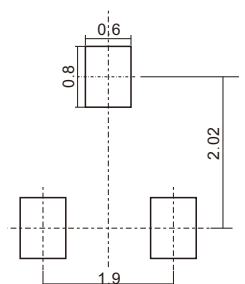


Outline Dimensions



Dimensions in inches and (millimeters)

Suggested pad layout



Dimensions in millimeters

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