

SOT-23-3L Plastic-Encapsulate Transistors

MMBTA94 TRANSISTOR (PNP)

FEATURES

Power dissipation

 P_{CM} : 0.35 W (Tamb=25°C)

Collector current

 I_{CM} : -0.2 A

Collector-base voltage

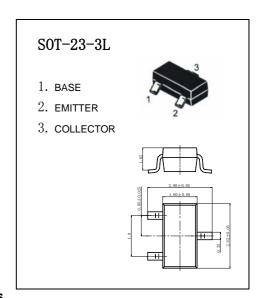
V_{(BR)CBO}: -400 V

Operating and storage junction temperature range

 T_J , T_{stg} : -55°C to +150°C

ELECTRICAL CHARACTERISTICS (Tamb=25 $^{\circ}$ C unless

otherwise specified)



Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Collector-base breakdown voltage	V (BR) _{CBO}	Ic= -100 μ A, I _E =0	-400			V
Collector-emitter breakdown voltage	V (BR) _{CEO}	$I_C=-1 \text{ mA}, I_B=0$	-400			V
Emitter-base breakdown voltage	V (BR) _{EBO}	I _E =-100 μ A,I _C =0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} =-400 V, I _E =0			-0.1	μА
Collector cut-off current	I _{CEO}	V _{CE} =-400 V, I _B =0			-5	μА
Emitter cut-off current	I _{EBO}	V _{EB} = -4 V, I _C =0			-0.1	μА
DC current gain	h _{FE (1)}	V _{CE} =-10V, I _C =-10 mA	80		300	
	h _{FE (2)}	V _{CE} =-10V, I _C =-1mA	70			
	h _{FE} (3)	V _{CE} =-10V, I _C =-100 mA	60			
Collector-emitter saturation voltage	V _{CE} (sat)	I _C =-10 mA,I _B =-1mA			-0.2	V
	V _{CE} (sat)	I _C =-50 mA,I _B =-5mA			-0.3	V
Base-emitter saturation voltage	V _{BE} (sat)	I _C =-10 mA,I _B = -1 mA			-0.75	V
Transition frequency	f⊤	V_{CE} =-20V, I_{C} =-10mA f =30MHz	50			MHz

MARKING:4D