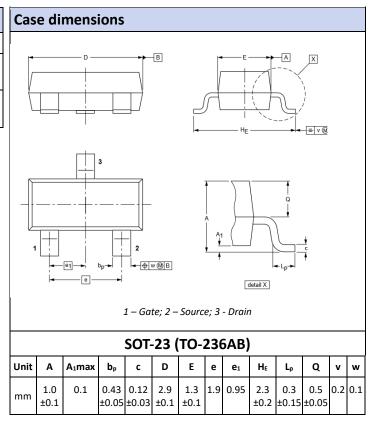


PNP Bipolar Transistor

Primary characteristics			
Symbol	Parameter	Unit	
lc	Continuous collector current	600	mA
V _{CEO}	Collector-emitter voltage	150	V

Features

- SOT-23 case for easy automatic insertion
- Pb-free and RoHS compliant
- Epitaxial planar die construction

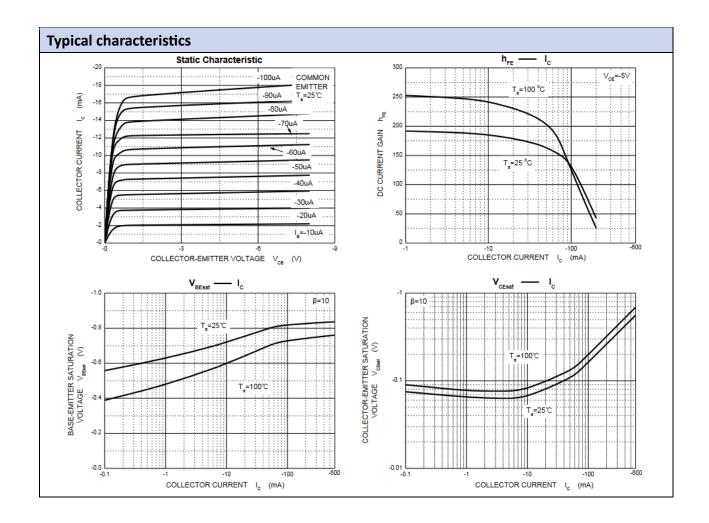


Absolute maximum ratings (T _A = 25°C unless otherwise noted)					
Characteristic	Symbol	Value	Unit		
Collector-base voltage	V _{CBO}	160	V		
Collector-emitter voltage	V _{CEO}	150	V		
Emitter-base voltage	V _{EBO}	5.0	V		
Continuous collector current	Ic	600	mA		
Total power dissipation	P _D	300	mW		
Operating junction temperature range	T _J , T _{STG}	-55 ~ 150	°C		

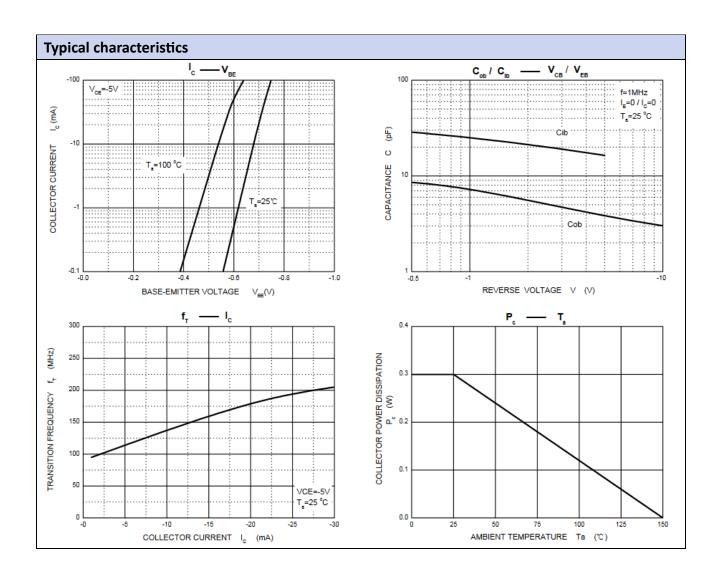
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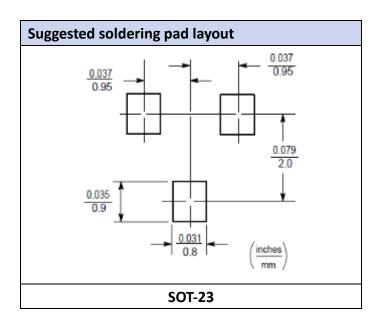
Electrical characteristics (T _A = 25°C)						
Characteristic	Test condition	Symbol	Value			l lmit
Characteristic			Min.	Тур.	Max.	Unit
Collector-base breakdown voltage	I _E =0V, I _C =100μA	V _{(BR)CBO}	-	-	160	V
Collector-emitter breakdown voltage	I _C =1.0mA, I _B =0V	V _{(BR)CEO}	-	-	150	V
Emitter-base breakdown voltage	I _E =10μΑ, I _C =0	V _{(BR)EBO}	-	-	5.0	V
Collector cut-off current	V _{CB} =120V, I _E =0	I _{CBO}	-	-	100	μΑ
Emitter cut-off current	V _{EB} =4.0V, I _C =0	I _{EBO}	-	-	100	μΑ
	V _{CE} =5.0V, I _C =1.0mA	h _{FE(1)}	80	-	-	
DC current gain	V _{CE} =5.0V, I _C =10mA	V _{CE} =5.0V, I _C =10mA h _{FE(2)} 100		-	300	
	V _{CE} =5.0V, I _C =50mA	h _{FE(3)} 50 -		-	-	
Collector-emitter saturation voltage	I _C =50mA, I _B =5.0mA V _{CE(sat)}		-	500	mV	
Base-emitter saturation voltage	I _C =50mA, I _B =5.0mA	V _{BE(sat)}	-	-	1.0	V
Transition frequency	V _{CE} =5.0V, I _C =10mA, f=30MHz	f⊤	100	-	-	MHz











Ordering information					
Part Number	Package	Marking	Shipping Quantity	Dimensions	
MMBT5401	SOT-23	2L	3000 pcs / 7"reel		

Disclaimer

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