

MMBT5401

TRANSISTOR (PNP)

FEATURES

Complementary to MMBT5551

Ideal for medium power amplification and switching

MARKING: 2L

SOT-23

- 1. BASE
- 2. EMITTER
- 3. COLLECTOR

MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

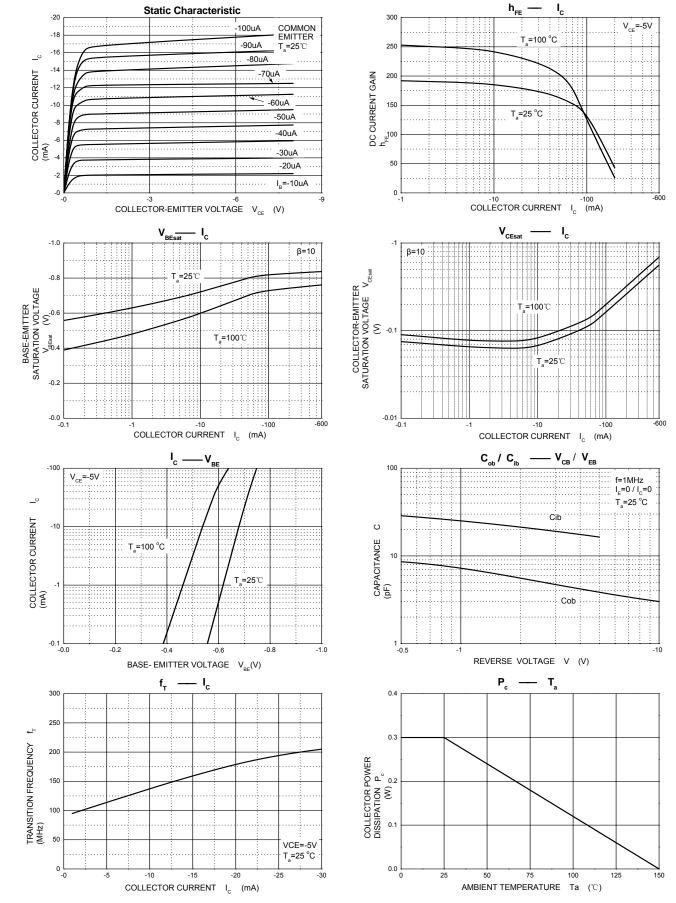
Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	-160	V
V _{CEO}	Collector-Emitter Voltage	-150	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current -Continuous	-0.6	А
Pc	Collector Power Dissipation	0.3	W
Tj	Junction Temperature	150	℃
T _{stg}	Storage Temperature	-55-150	℃

ELECTRICAL CHARACTERISTICS (Tamb=25°C unless otherwise specified)

LLECTRICAL CHARACTERISTICS (Tamb-23 Curiess officialise specified)								
Parameter	Symbol	Test conditions	MIN	MAX	UNIT			
Collector-base breakdown voltage	V _{(BR)CBO}	I _C = -100μA, I _E =0	-160		V			
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C = -1mA, I _B =0	-150		V			
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E = -10μA, I _C =0	-5		V			
Collector cut-off current	I _{CBO}	V _{CB} =-120 V, I _E =0		-0.1	μA			
Emitter cut-off current	I _{EBO}	V _{EB} =-4V , I _C =0		-0.1	μA			
Zimito, out on ourion	h _{FE1}	V _{CE} = -5V, I _C = -1mA	80		, pro-			
DC current gain	h _{FE2}	V _{CE} = -5V, I _C =-10mA	100	300				
Do current gam	h _{FE3}	V _{CE} = -5V, I _C =-50mA	50					
Collector-emitter saturation voltage	V _{CE} (sat)	I _C =-50 mA, I _B = -5mA		-0.5	V			
Base-emitter saturation voltage	V _{BE} (sat)	I _C = -50 mA, I _B = -5mA		-1	V			
Transition frequency	f⊤	V _{CE} = -5V, I _C = -10mA	100		MHz			



Typical Characteristics





PACKAGE OUTLINE

Plastic surface mounted package; 3 leads

SOT-23

