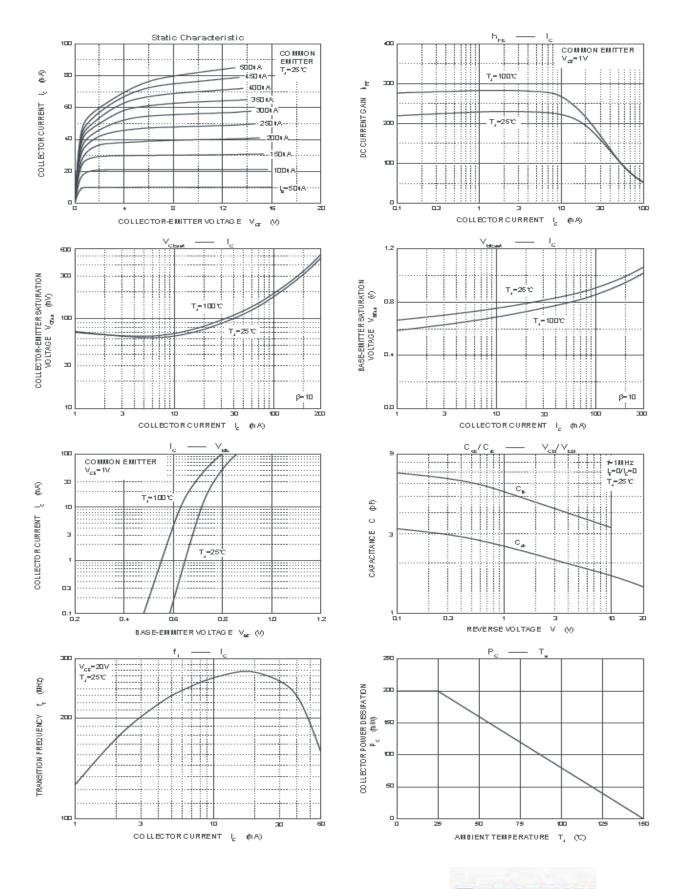
Parameter	Symbol	Min.	Тур.	Max.	Unit
Collector-base breakdown voltage at I_C =10mA, I_E =0	V _{(BR) CBO}	60			V
Collector-emitter breakdown voltage at I_C =1mA, I_B =0	$V_{(\text{BR})\text{CEO}}$	40			V
Emitter-base breakdown voltage at I_E =10uA, I_C =0	$V_{(BR)EBO}$	6			V
Collector cut-off current at V_{CE} =30V, $V_{EB(off)}$ =3V	I _{CEX}			50	nA
Collector cut-off current at V_{CB} =60V, I _E =0	I _{CBO}			100	nA
Emitter cut-off current at V_{EB} =5V, I_{C} =0	I _{EBO}			100	nA
DC current gain at V _{CE} =1V, I _C =10mA	h _{FE(1)}	100		400	
V_{CE} =1V, I _C =50mA	h _{FE(2)}	60			
V _{CE} =1V, I _C =100mA	h _{FE(3)}	30			
Collector-emitter saturation voltage at I_C =50mA, I_B =5 mA	V _{CE(sat)}			0.3	V
base-emitter saturation voltage at I_{C} =50mA, I_{B} =5 mA	V _{BE(sat)}			0.95	V
Transition frequency at V_{CE} =20V, I_C =10mA,f=100MHZ	f _T	300			MHZ
Delay time at V _{CC} =3V, V _{BE(off)} =-0.5V I _C =10mA, I _{B1} =1mA	t _d			35	ns
Rise time at V _{CC} =3V, V _{BE(off)} =-0.5V I _C =10mA, I _{B1} =1mA	t _r			35	ns
Storage time at V _{CC} =3V, I _C =10mA, I _{B1} = I _{B2} = 1mA	t _s			200	ns
Fall time at V _{CC} =3V, I _C =10mA, I _{B1} = I _{B2} = 1mA	t _f			50	ns

Electrical Characteristics $T_A{=}25\,^\circ\!\mathrm{C}$ unless otherwise specified

Classification Of h_{FE(1)}

RANK	0	Y	G	
RANGE	100-200	200-300	300-400	





RATING AND CHARACTERISTICS CURVES (MMBT3904)

PACKAGING OF DIODE

REEL PACK

PACKAGE	PACKING	REEL	COMPONENT	TAPE SPACE	REEL DIA	CARTON SIZE	EA PER	GROSS
	CODE	(EA)	SPACE(mm)	(mm)	(mm)	(mm)	CARTON	WEIGHT(Kg)
SOT-23/-3L	-T	3,000			178	438*438*220	180,000	

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