



FUKUCOM COMPANY LTD.

福 靈 有 限 公 司

FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,
KWUN TONG, KOWLOON, HONG KONG.

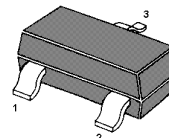
TEL: 852-2790 0314 FAX: 852-2790 0206

MMBT8550 (1.5A)

PNP Silicon Epitaxial Planar Transistor

for switching and amplifier applications. Especially suitable for AF-driver stages and low power output stages.

As complementary type the NPN transistor MMBT8050 (1.5A) is recommended.



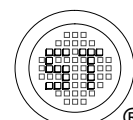
1.BASE 2.EMITTER 3.COLLECTOR
SOT-23 Plastic Package

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Collector Base Voltage	-V _{CBO}	40	V
Collector Emitter Voltage	-V _{CEO}	25	V
Emitter Base Voltage	-V _{EBO}	6	V
Collector Current	-I _C	1.5	A
Power Dissipation	P _{tot}	350	mW
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _s	- 55 to + 150	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Min.	Max.	Unit
DC Current Gain at -V _{CE} = 1 V, -I _C = 100 mA MMBT8550C MMBT8550D at -V _{CE} = 1 V, -I _C = 800 mA	h _{FE}	100	250	-
	h _{FE}	160	400	-
	h _{FE}	40	-	-
Collector Base Cutoff Current at -V _{CB} = 35 V	-I _{CBO}	-	100	nA
Emitter Base Cutoff Current at -V _{EB} = 6 V	-I _{EBO}	-	100	nA
Collector Base Breakdown Voltage at -I _C = 100 μA	-V _{(BR)CBO}	40	-	V
Collector Emitter Breakdown Voltage at -I _C = 2 mA	-V _{(BR)CEO}	25	-	V
Emitter Base Breakdown Voltage at -I _E = 100 μA	-V _{(BR)EBO}	6	-	V
Collector Emitter Saturation Voltage at -I _C = 800 mA, -I _B = 80 mA	-V _{CE(sat)}	-	0.5	V
Base Emitter Saturation Voltage at -I _C = 800 mA, -I _B = 80 mA	-V _{BE(sat)}	-	1.2	V
Base Emitter Voltage at -V _{CE} = 1 V, -I _C = 10 mA	-V _{BE(on)}	-	1	V
Gain Bandwidth Product at -V _{CE} = 10 V, -I _C = 50 mA	f _T	120	-	MHz



Dated : 11/04/2008



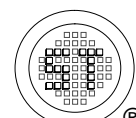
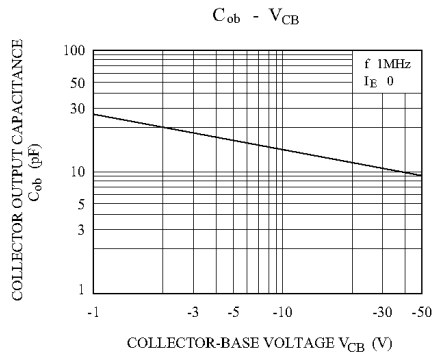
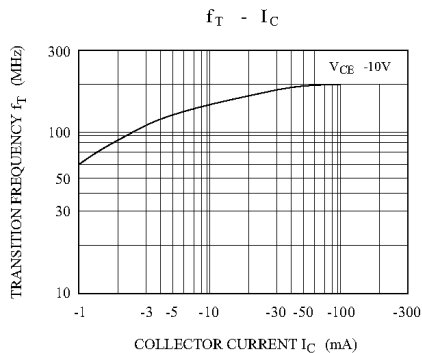
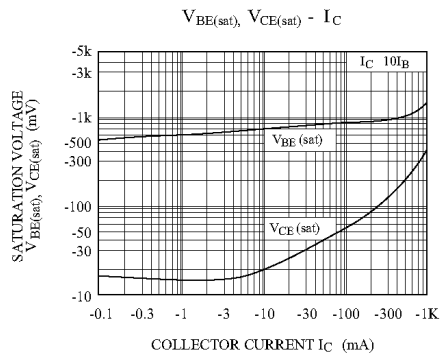
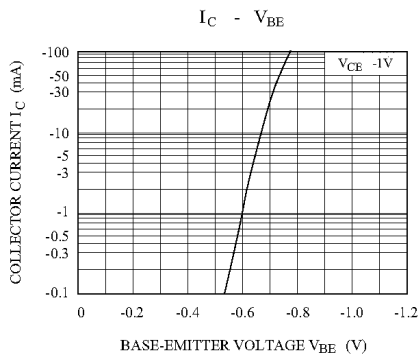
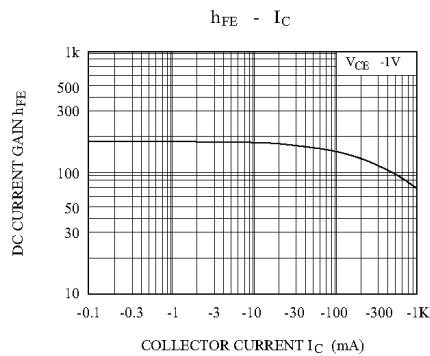
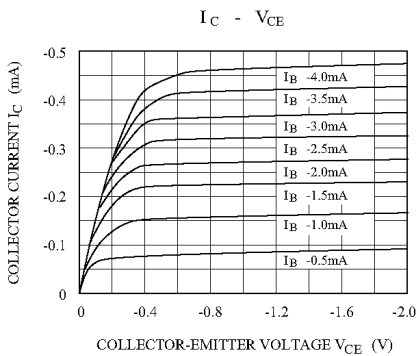
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