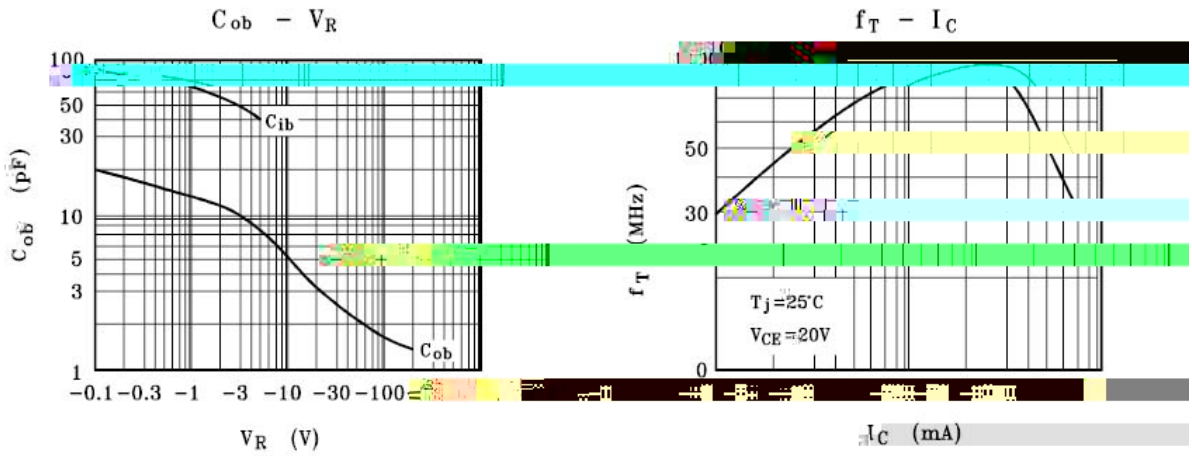
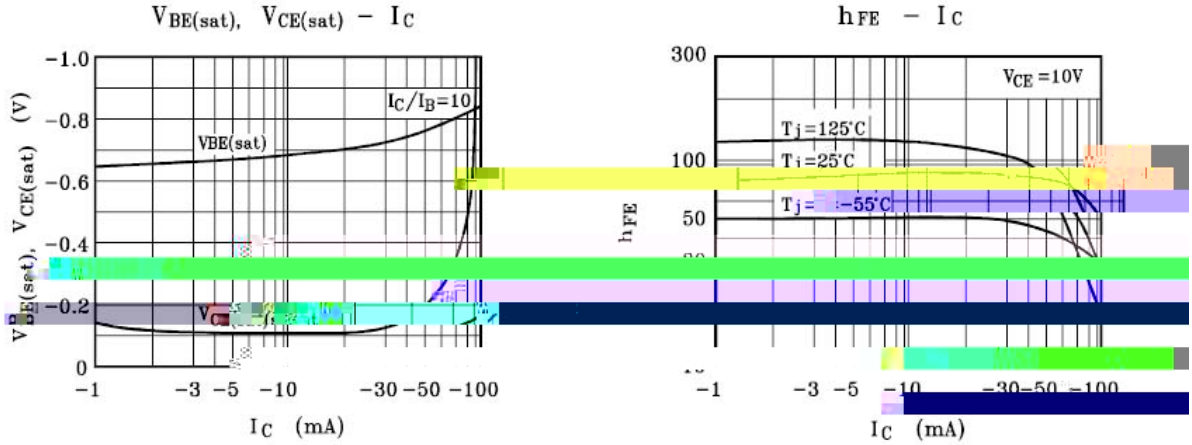
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-300	V
Collector to Emitter Voltage	V_{CEO}	-300	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-500	mA
Collector Power Dissipation	P_C	350	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=-100 A I_E=0	-300			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-1.0mA I_B=0	-300			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=-100 A I_C=0	-5.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-200 V I_E=0				

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Cob – VR
100
50
30
10
5
3
1
Cob (pF)
Cib
Cob
−0.1 −0.3 −1 −3 −10 −30 −100
VR (V)
fT – IC
50
30
0
fT (MHz)
Tj=25°C
VCE=20V
IC (mA)

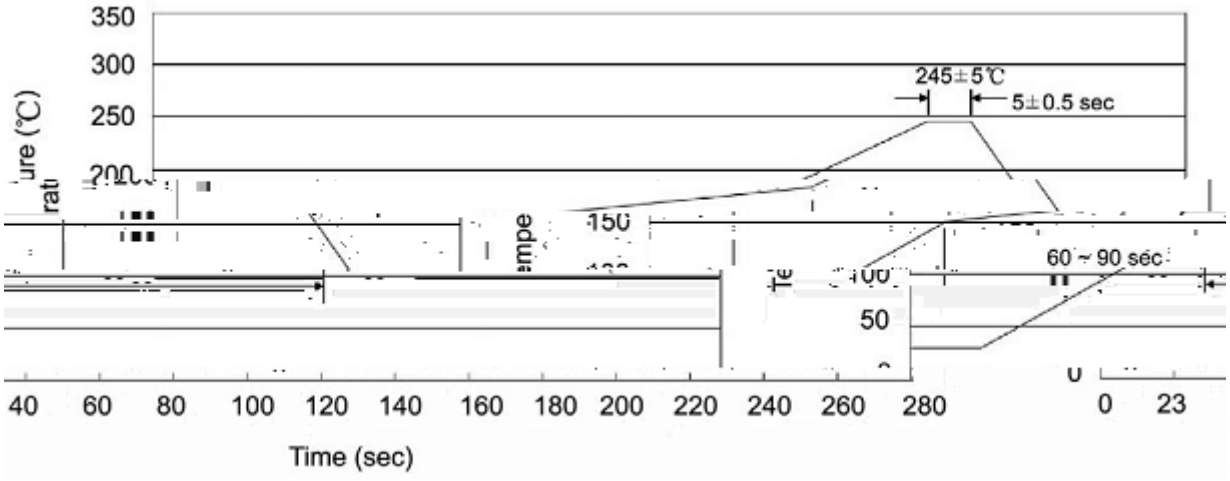

VBE(sat), VCE(sat) – IC
−1.0
−0.8
−0.6
−0.4
−0.2
0
VBE(sat), VCE(sat) (V)
IC/IB=10
VBE(sat)
VCE(sat)
−1 −3 −5 −10 −30 −50 −100
IC (mA)
hFE – IC
300
100
50
hFE
VCE=10V
Tj=125°C
Tj=25°C
Tj=−55°C
−1 −3 −5 −10 −30 −50 −100
IC (mA)

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Note:

1	25	150	60	90sec;	1.Preheating:25~150 , Time:60~90sec.
2	245±5			5±0.5sec;	2.Peak Temp.:245±5 , Duration:5±0.5sec.
3		2	10	/sec.	3. Cooling Speed: 2~10 /sec.

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260±5	10±1 sec.	Temp.:260±5	Time:10±1 sec

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Package Type	Units