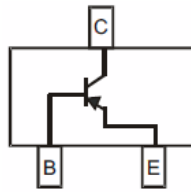


RoHS



5

- "Epoxy meets UL-94 V-0 flammability rating
- "Halogen free available upon request by adding suffix "HF"
- "Moisture Sensitivity Level 1
- "High Conductance
- "



$\dot{A}T_a=25$ Unless otherwise specified $\dot{A}$

Parameter	Symbol	Unit	Test Conditions	MMBTA55	MMBTA56
Collector-emitter breakdown voltage	V_{CEO}	V	$I_C = -1mA, I_B = 0$	-60 -80	
Emitter-base breakdown voltage	V_{EBO}	V	$I_E = -100 A, I_C = 0$	-4	
Collector-base cut-off current	I_{CBO}	A	$V_{CB} = -60V, I_E = 0,$ $V_{CB} = -80V, I_E = 0,$	MMBTA55 MMBTA56	-0.1 -0.1
Collector-emitter cut-off current	I_{CES}	A	$V_{CE} = -60V, I_B = 0V,$		-0.1
DC current gain	h_{FE}		$V_{CE} = -1V, I_C = -10mA$	100	400
	h_{FE}		$V_{CE} = -1V, I_C = -100mA$	100	
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	$I_C = -100mA, I_B = -10mA$		-0.25
Base-emitter saturation voltage	$V_{BE(sat)*}$	V	$I_C = -100mA, I_B = -10mA$		-1.2



$\dot{A}T_a=25$ Unless otherwise specified $\dot{A}$

Parameter	Symbol	Unit	Test Conditions	MMBTA55	MMBTA56
Transition frequency	f_T	MHz	$V_{CE} = -1V, I_C = -100mA, f = 100MHz$	50	

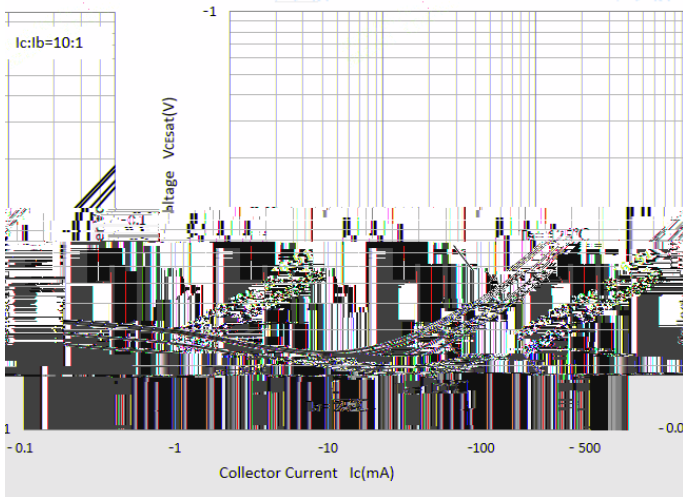


(Example)

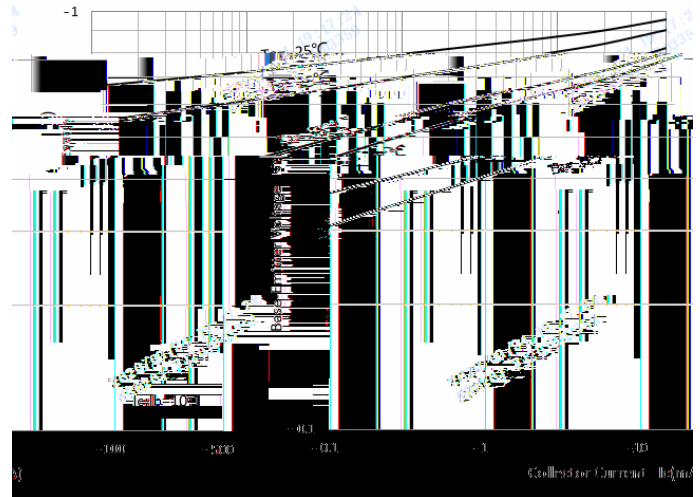
Parameter	Symbol	Unit	Test Conditions	MMBTA55	MMBTA56
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MMBTA55
MMBTA56

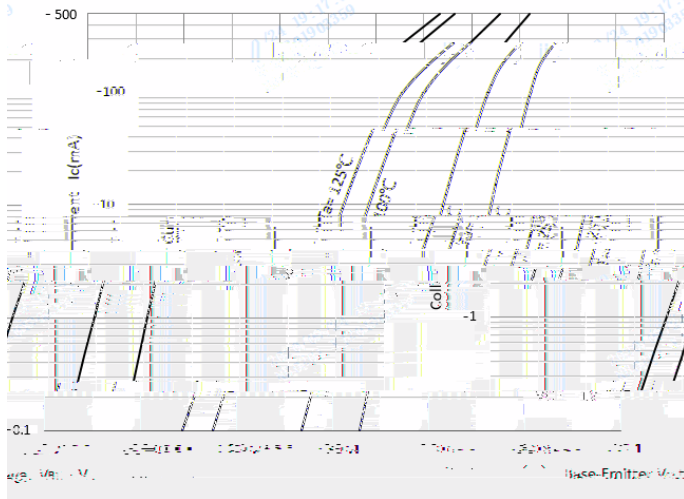
Collector-Emitter Saturation Voltage



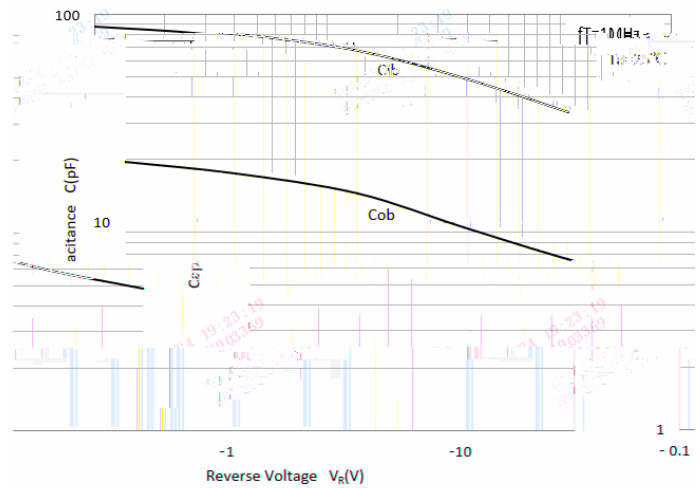
Base-Emitter Saturation Voltage



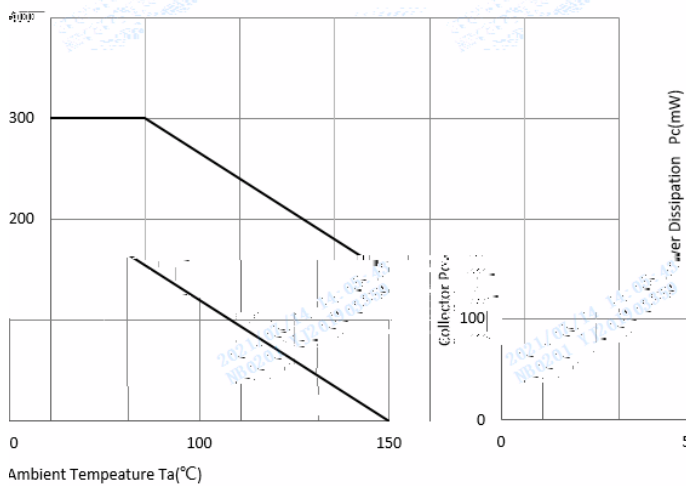
Base-Emitter On Voltage



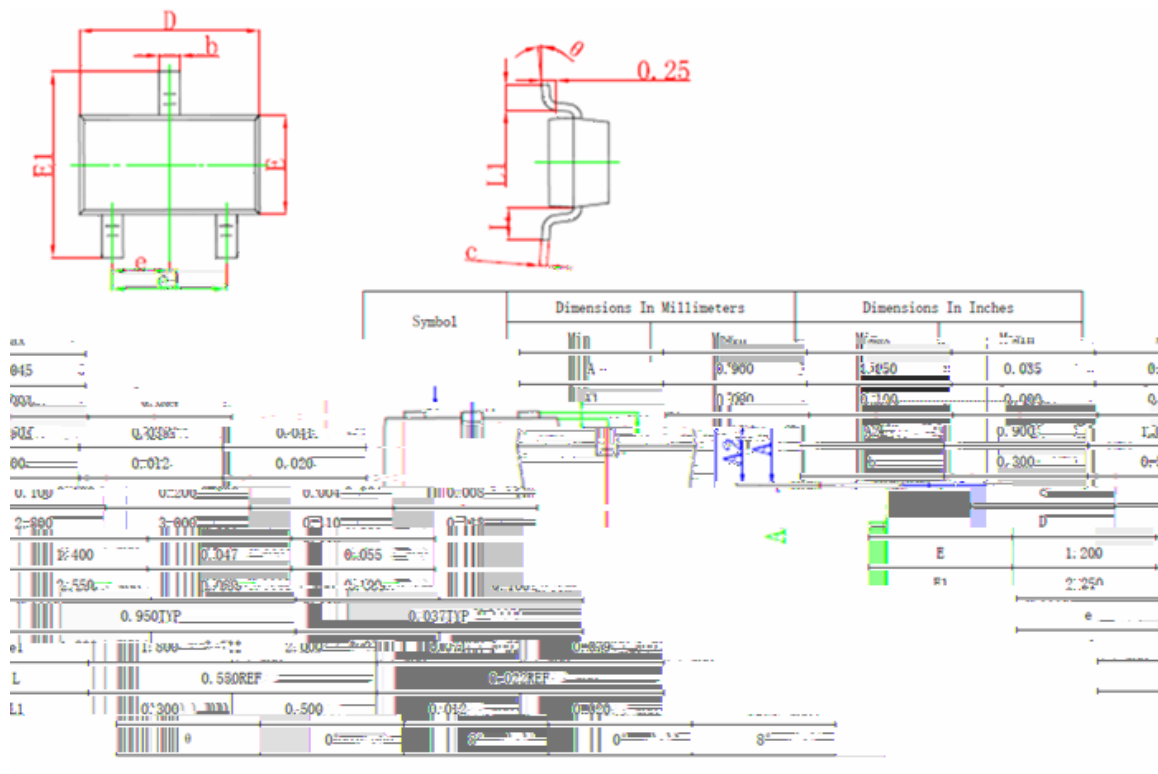
$C_{ob}/C_{ib}-V_{CB}/V_{EB}$



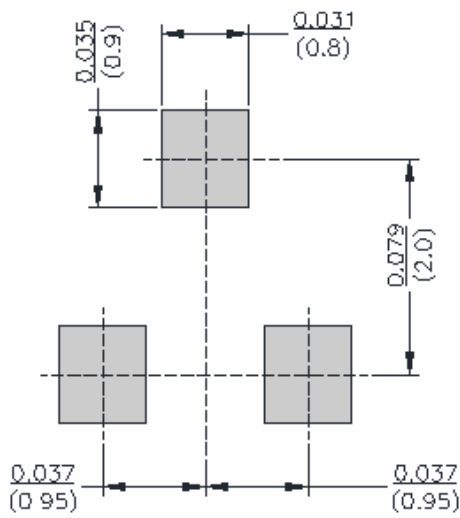
Collector Power Derating Curve



Version



Version





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