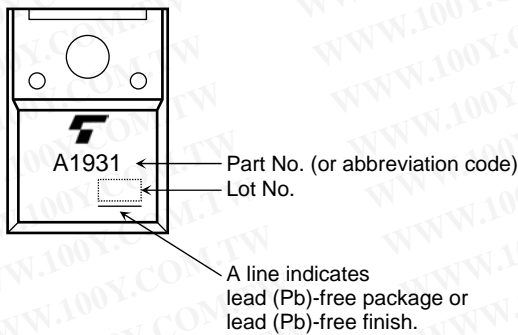
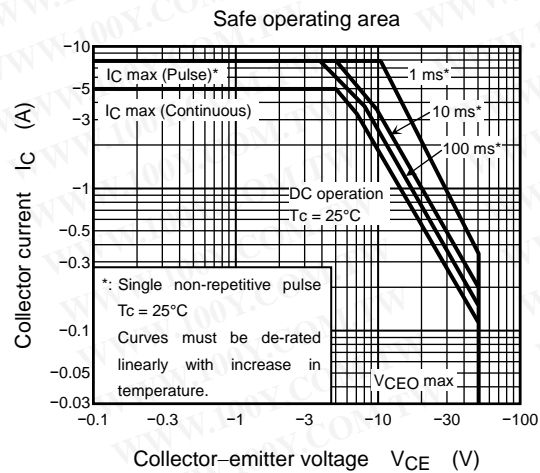
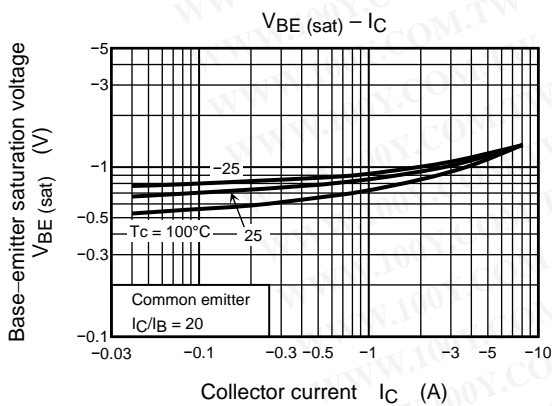
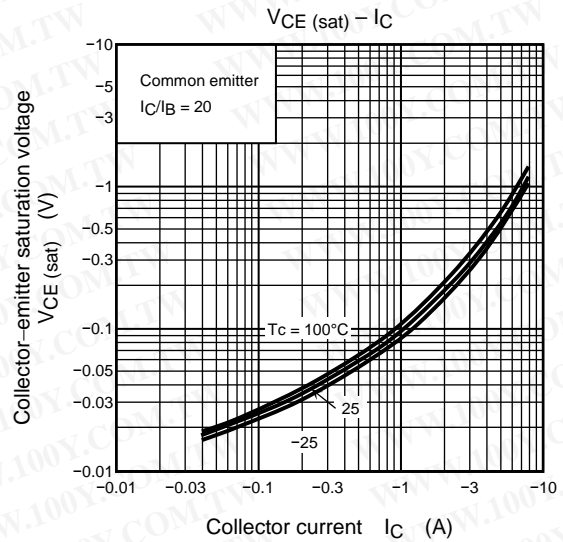
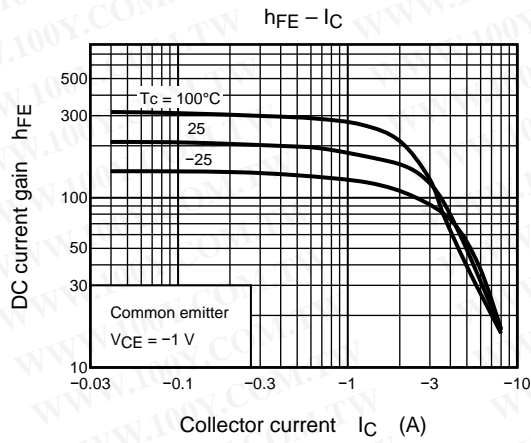
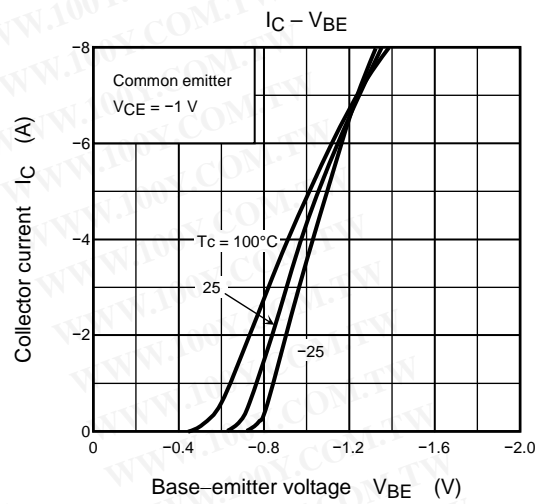
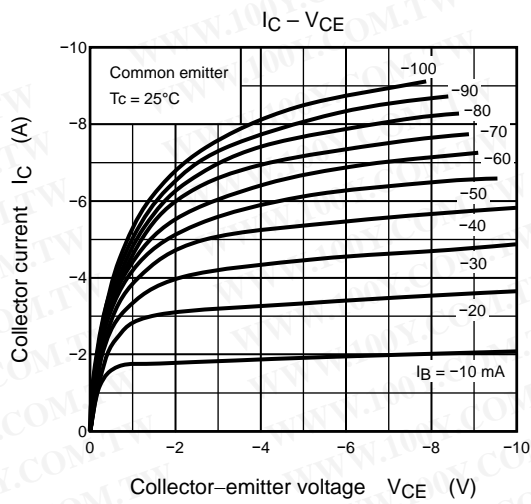


Electrical Characteristics (Tc = 25°C)

Characteristic		Symbol	Test Conditions	Min	Typ.	Max	Unit
Collector cut-off current		I_{CBO}	$V_{CB} = -50\text{ V}, I_E = 0$	—	—	-1	μA
Emitter cut-off current		I_{EBO}	$V_{EB} = -7\text{ V}, I_C = 0$	—	—	-1	μA
Collector-emitter breakdown voltage		$V_{(BR) CEO}$	$I_C = -10\text{ mA}, I_B = 0$	-50	—	—	V
DC current gain		$h_{FE} (1)$	$V_{CE} = -1\text{ V}, I_C = 1\text{ A}$	100	—	300	
		$h_{FE} (2)$	$V_{CE} = -1\text{ V}, I_C = -3\text{ A}$	60	—	—	
Collector-emitter saturation voltage		$V_{CE (sat)}$	$I_C = -2\text{ A}, I_B = -0.2\text{ A}$	—	-0.2	-0.4	V
Base-emitter saturation voltage		$V_{BE (sat)}$	$I_C = -2\text{ A}, I_B = -0.2\text{ A}$	—	-0.9	-1.5	V
Transition frequency		f_T	$V_{CB} = -1\text{ V}, I_C = -1\text{ A}$	—	60	—	MHz
Collector output capacitance		C_{ob}	$V_{CB} = -10\text{ V}, I_E = 0, f = 1\text{ MHz}$	—	100	—	pF
Switching time	Turn-on time	t_{on}		—	0.1	—	μs
	Storage time	t_{stg}		—	1.0	—	
	Fall time	t_f		$-I_{B1} = I_{B2} = 0.15\text{ A}, \text{duty cycle} \leq 1\%$	—	0.1	

Marking





勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
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