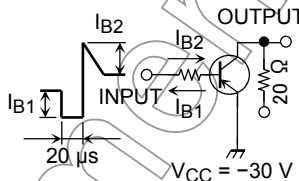
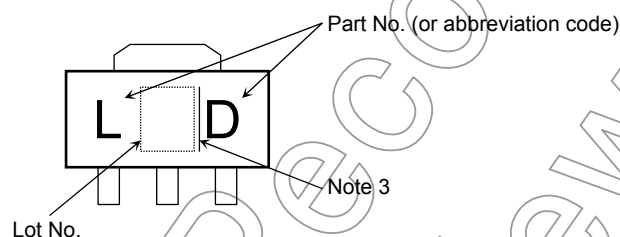


Electrical Characteristics (Ta = 25°C)

Characteristics		Symbol	Test Condition	Min	Typ.	Max	Unit
Collector cut-off current		I_{CBO}	$V_{CB} = -60\text{ V}, I_E = 0$	—	—	-0.1	μA
Emitter cut-off current		I_{EBO}	$V_{EB} = -6\text{ V}, I_C = 0$	—	—	-0.1	μA
Collector-emitter breakdown voltage		$V_{(BR) CEO}$	$I_C = -10\text{ mA}, I_B = 0$	-50	—	—	V
DC current gain		$h_{FE} (1)$	$V_{CE} = -2\text{ V}, I_C = -100\text{ mA}$	120	—	400	
		$h_{FE} (2)$	$V_{CE} = -2\text{ V}, I_C = -2\text{ A}$	40	—	—	
Collector-emitter saturation voltage		$V_{CE (sat)}$	$I_C = -1.5\text{ A}, I_B = -75\text{ mA}$	—	—	-0.5	V
Base-emitter saturation voltage		$V_{BE (sat)}$	$I_C = -1.5\text{ A}, I_B = -75\text{ mA}$	—	—	-1.2	V
Transition frequency		f_T	$V_{CE} = -2\text{ V}, I_C = -100\text{ mA}$	—	100	—	MHz
Collector output capacitance		C_{ob}	$V_{CB} = -10\text{ V}, I_E = 0, f = 1\text{ MHz}$	—	32	—	pF
Switching time	Turn-on time	t_{on}	 <p>$I_{B1} = 75\text{ mA}, I_{B2} = 75\text{ mA}$, DUTY CYCLE $\leq 1\%$</p>	—	0.1	—	μs
	Storage time	t_{stg}		—	0.2	—	
	Fall time	t_f		—	0.1	—	

Marking

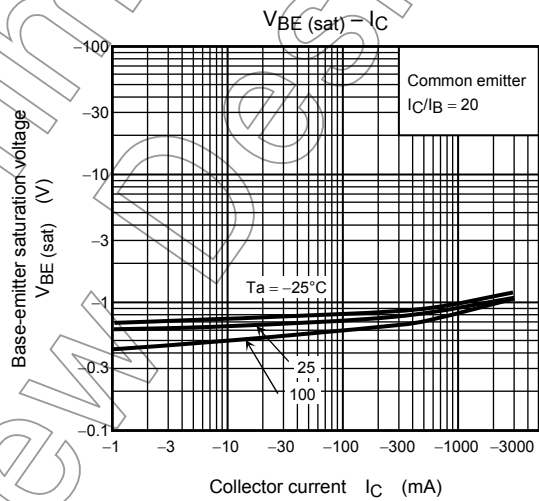
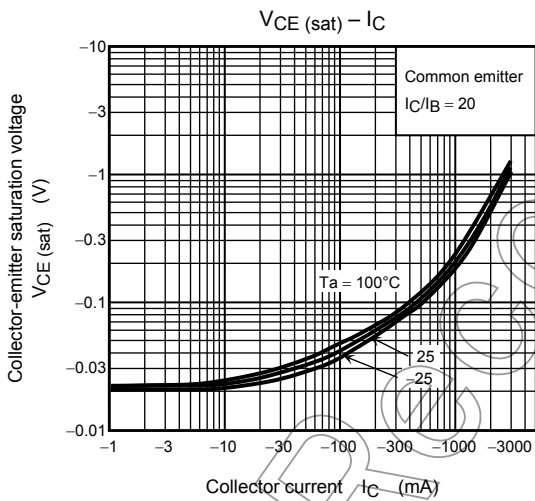
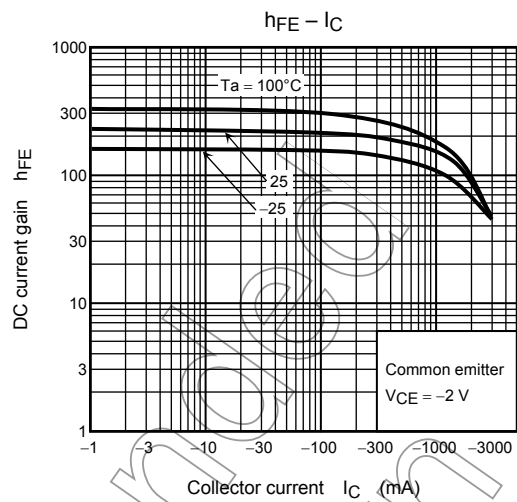
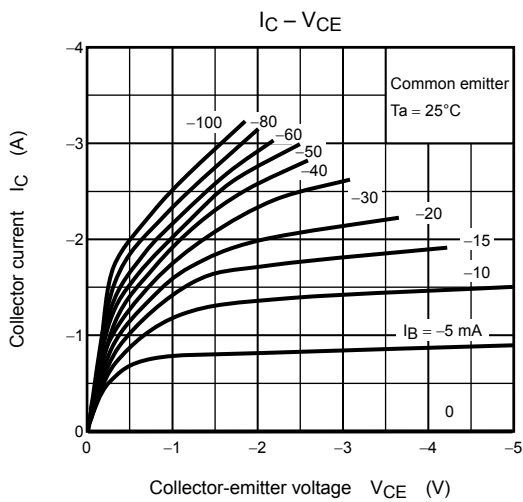


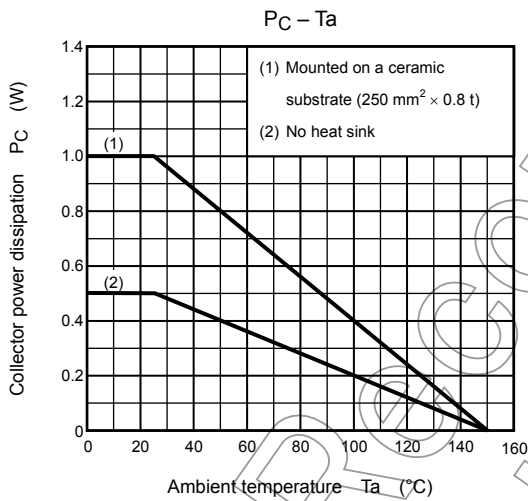
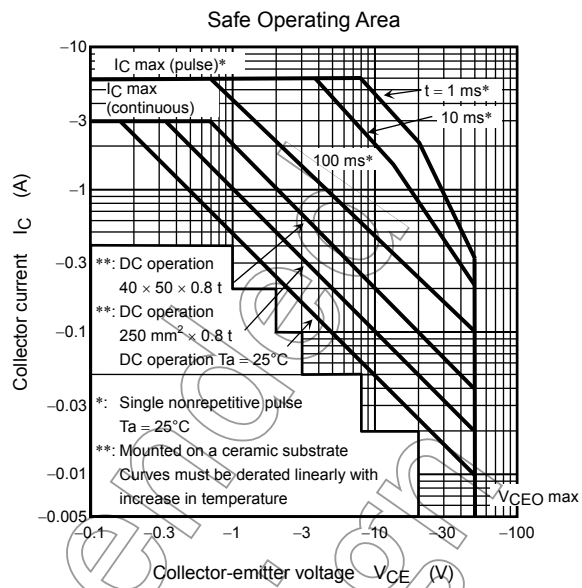
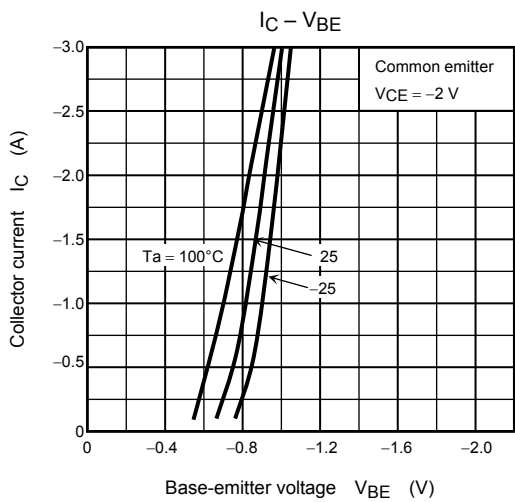
Note 3: A line beside a Lot No. identifies the indication of product Labels.

Without a line: $[[Pb]]/INCLUDES > MCV$

With a line: $[[G]]/RoHS COMPATIBLE$ or $[[G]]/RoHS [[Pb]]$

Please contact your TOSHIBA sales representative for details as to environmental matters such as the RoHS compatibility of Product. The RoHS is the Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.





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