TOSHIBA Transistor Silicon PNP Epitaxial Type (PCT process)

2SB908

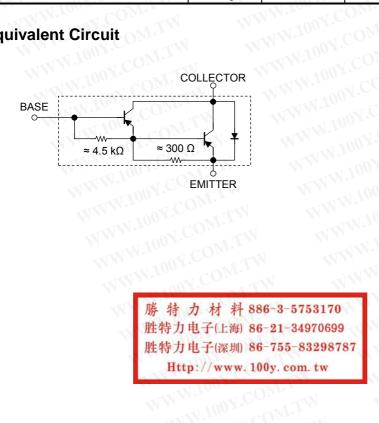
Switching Applications Hammer Drive, Pulse Motor Drive Applications **Power Amplifier Applications**

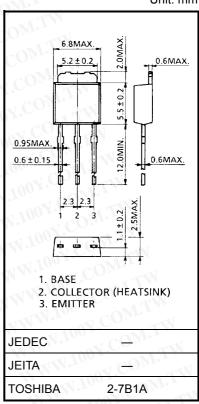
- High DC current gain: h_{FE} (1) = 2000 (min) (V_{CE} = -2 V, I_C = -1 A)
- Low saturation voltage: VCE (sat) = -1.5 V (max) (IC = -3 A)
- Complementary to 2SD1223.

Maximum Ratings (Ta = 25°C)

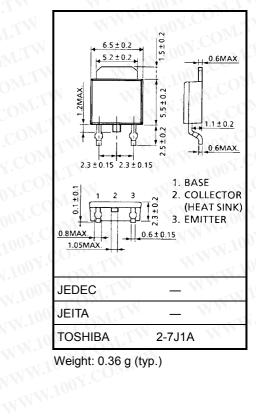
Characte	ristics	Symbol	Rating	Unit
Collector-base voltage		V _{CBO}	-100	V
Collector-emitter voltage		V _{CEO}	-80	V
Emitter-base voltage		V _{EBO}	-5	V
Collector current		Ic	-4	А
Base current		IB	-0.4	Α
Collector power	Ta = 25°C	P _C 1.0	1.0	W
dissipation	Tc = 25°C4		VV	
Junction temperature		Ţj	150	°C
Storage temperature range		T _{stg}	-55 to 150	°C

Equivalent Circuit





Weight: 0.36 g (typ.)



Unit: mm

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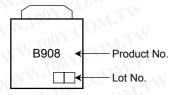
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Electrical Characteristics (Ta = 25°C)

Chara	cteristics	Symbol	Test Condition	Min	Тур.	Max	Uni
Collector cut-off cu	urrent	ICBO	V _{CB} = -100 V, I _E = 0		—	-20	μA
Emitter cut-off cur	rent	IEBO	$V_{EB} = -5 V, I_C = 0$		—	-2.5	mA
Collector-emitter b	oreakdown voltage	V (BR) CEO	$I_{\rm C} = -10 \text{ mA}, I_{\rm B} = 0$	-80	_	_	V
DC current gain	WW 100Y	h _{FE} (1)	$V_{CE} = -2 V, I_C = -1 A$	2000	_	_	
DC current gain		h _{FE (2)}	$V_{CE} = -2 V, I_C = -3 A$	1000	_	—	
Collector-emitter s	aturation voltage	V _{CE (sat)}	$I_{\rm C} = -3$ A, $I_{\rm B} = -6$ mA	TT	2 -	-1.5	V
Base-emitter satur	ration voltage	V _{BE (sat)}	$I_{\rm C} = -3$ A, $I_{\rm B} = -6$ mA		-	-2.0	V
	Turn-on time	ton		C O M	0.15	_	
Switching time	Storage time	t _{stg}		<u>7.00</u> N .0 0	0.80	N —	μs
	Fall time	t _f 1001	$V_{CC} \approx -30 \text{ V}$ $-I_{B1} = I_{B2} = 6 \text{ mA, DUTY CYCLE} \le 1\%$	10 01.	0.40	.T.4	

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Marking

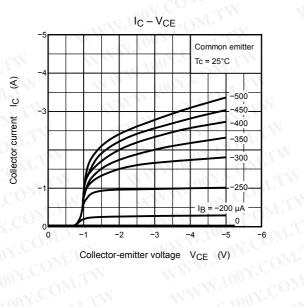


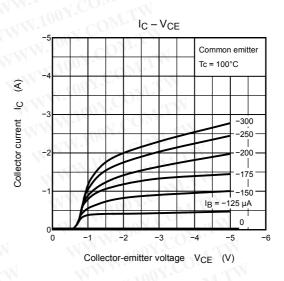
卡力材料88		
力电子(上海) 86		
力电子(深圳) 86	8787	
カ电子(深圳) 80 ttp://www.10	V.100 V.CU	

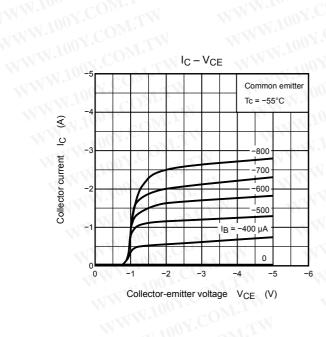
Explanation of Lot No.

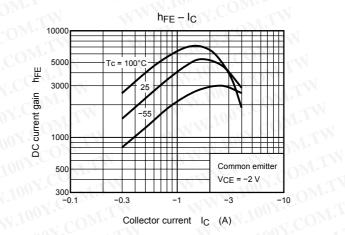
WWW.100Y.COM.TW Month of manufacture: January to December are denoted by letters A to L respectively. Year of manufacture: last decimal digit of the year of manufacture WWW.100Y.COM.TW

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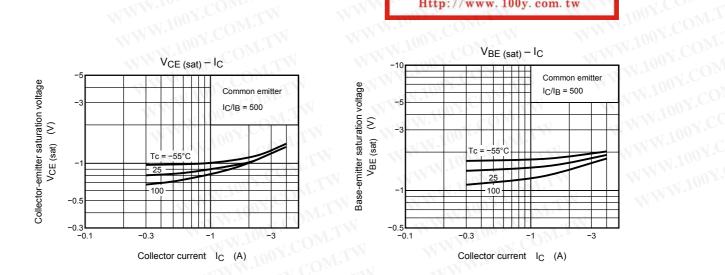






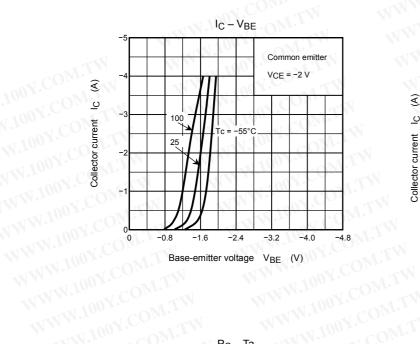


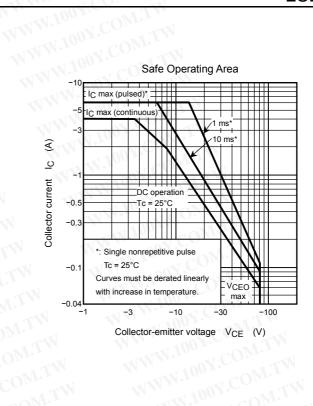
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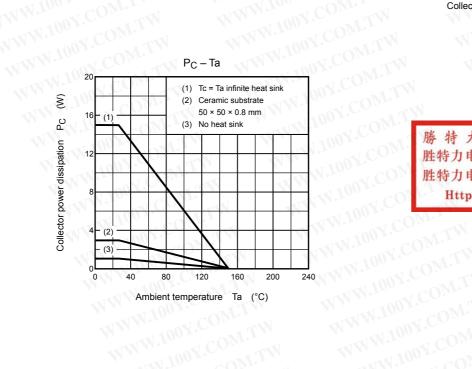
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