TOSHIBA Transistor Silicon PNP Epitaxial Type (PCT process)

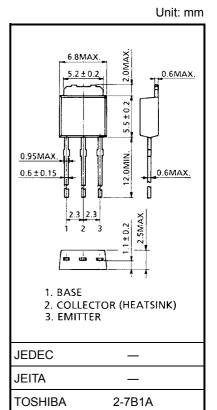
2SB905

Power Amplifier Applications

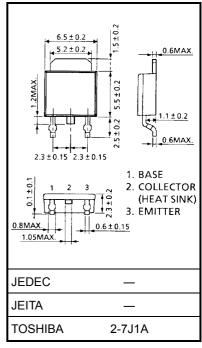
• Complementary to SD1220

Maximum Ratings (Ta = 25°C)

Characteristics		Symbol	Rating	Unit	
Collector-base voltage		V_{CBO}	-150	V	
Collector-emitter voltage		V _{CEO}	-150	V	
Emitter-base voltage		V _{EBO}	-6	V	
Collector current		I _C	-1.5	Α	
Base current		Ι _Β	-1.0	Α	
Collector power dissipation	Ta = 25°C	Pc	1.0	W	
	Tc = 25°C	FC	10		
Junction temperature		Tj	150	°C	
Storage temperature range		T _{stg}	−55 to 150	°C	



Weight: 0.36 g (typ.)



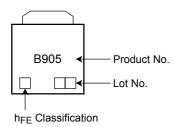
Weight: 0.36 g (typ.)

Electrical Characteristics (Ta = 25°C)

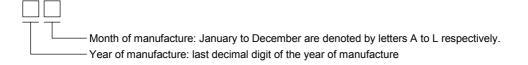
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Collector cut-off current	I _{CBO}	V _{CB} = -150 V, I _E = 0	_	_	-1.0	μΑ
Emitter cut-off current	I _{EBO}	$V_{EB} = -6 \text{ V}, I_{C} = 0$	_	_	-1.0	μΑ
Collector-emitter breakdown voltage	V (BR) CEO	$I_C = -10 \text{ mA}, I_B = 0$	-150	-	_	٧
DC current gain	h _{FE} (Note)	V _{CE} = -5 V, I _C = -200 mA	60	_	320	
Collector-emitter saturation voltage	V _{CE (sat)}	$I_C = -500 \text{ mA}, I_B = -50 \text{ mA}$	_	_	-1.5	٧
Base-emitter voltage	V _{BE}	$V_{CE} = -5 \text{ V}, I_{C} = -5 \text{ mA}$	-0.5	_	-0.8	٧
Transition frequency	f _T	$V_{CE} = -5 \text{ V}, I_{C} = -200 \text{ mA}$	15	50	_	MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10 \text{ V}, I_E = 0, f = 1 \text{ MHz}$	_		35	pF

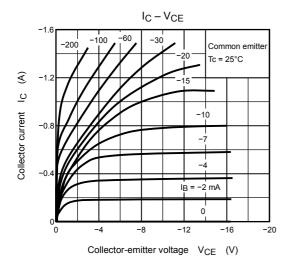
Note: $h_{\mbox{\scriptsize FE}}$ classification R: 60 to 120, O: 100 to 200, Y: 160 to 320

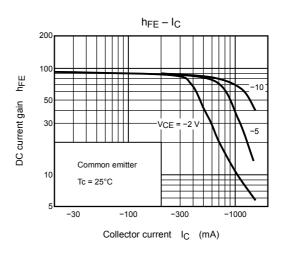
Marking

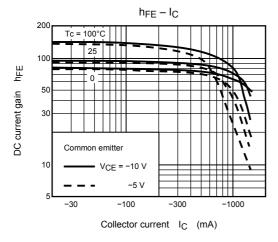


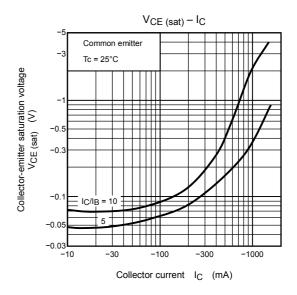
Explanation of Lot No.

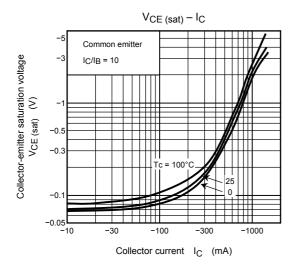


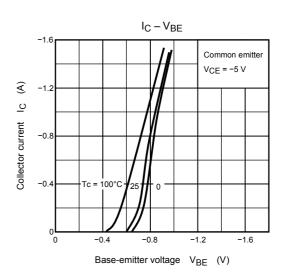




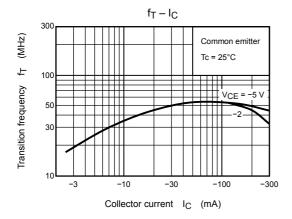


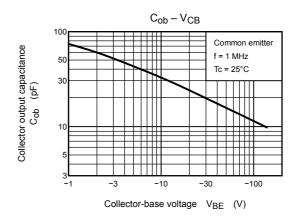


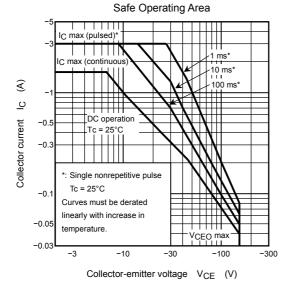


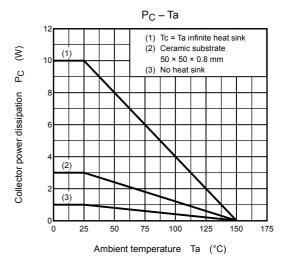


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