TOSHIBA

TOSHIBA Transistor Silicon NPN Epitaxial Type

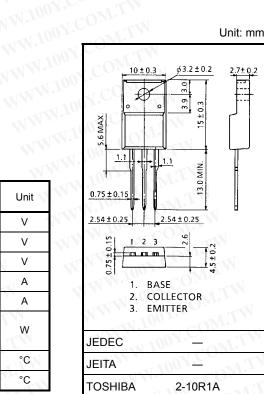
2SC4793

Power Amplifier Applications Driver Stage Amplifier Applications

- High transition frequency: fT = 100 MHz (typ.)
- Complementary to 2SA1837

Maximum Ratings (Tc = 25°C)

Characteristics		Symbol	Rating	Unit	
Collector-base voltage		V _{CBO}	230	V	
Collector-emitter voltage		V _{CEO}	230	V	
Emitter-base voltage		V _{EBO}	5	V	
Collector current		Ic	- CCM-+	Α	
Base current		IB	0.1	А	
Collector power dissipation	Ta = 25°C	D-SI 1	2.0	w	
	Tc = 25°C	Pc	20	vv	
Junction temperature		Tj	150	°C	
Storage temperature range		T _{stg}	-55 to 150	°C	



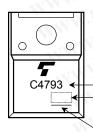
Electrical Characteristics (Tc = 25°C)

Weight: 1.7 g (typ.)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Collector cut-off current	I _{CBO}	V _{CB} = 230 V, I _E = 0	_	NAN	1.0	μA
Emitter cut-off current	IEBO	V _{EB} = 5 V, I _C = 0	—	NTV.	1.0	μA
Collector-emitter breakdown voltage	V (BR) CEO	I _C = 10 mA, I _B = 0	230		14.1	V
DC current gain	h _{FE}	V _{CE} = 5 V, I _C = 100 mA	100	<u> </u>	320	00 ×
Collector-emitter saturation voltage	V _{CE (sat)}	I _C = 500 mA, I _B = 50 mA	- ·		1.5	V
Base-emitter voltage	V _{BE}	V _{CE} = 5 V, I _C = 500 mA	N -	- 1	1.0	V
Transition frequency	fT	V _{CE} = 10 V, I _C = 100 mA	T.	100	NAN'	MHz
Collector output capacitance	C _{ob}	V _{CB} = 10 V, I _E = 0, f = 1 MHz	-	20	NT.	pF

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Marking



Part No. (or abbreviation code) Lot No.

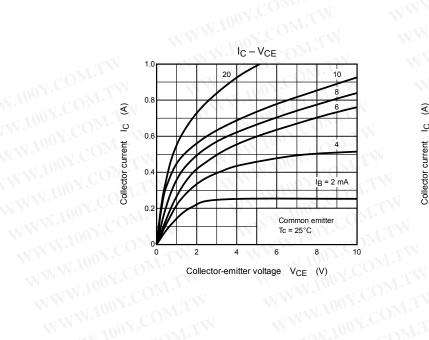
A line indicates lead (Pb)-free package or lead (Pb)-free finish.

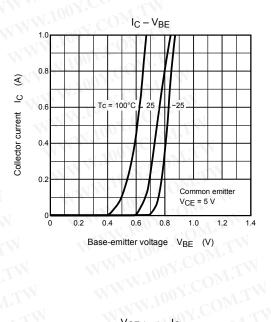
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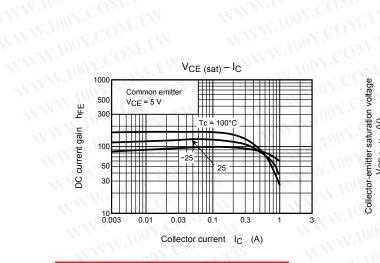
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Unit: mm

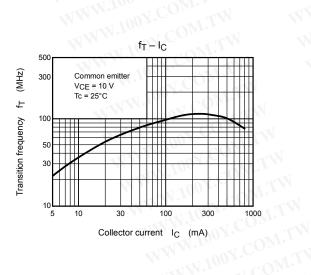
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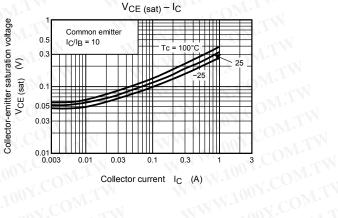


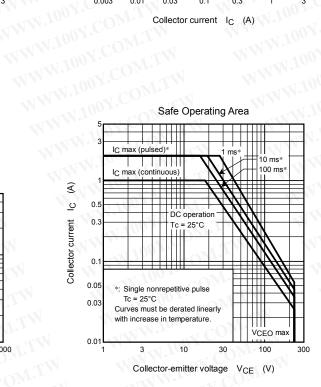


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