TOSHIBA Transistor Silicon NPN Epitaxial Type

2SC4793

Power Amplifier Applications
Driver Stage Amplifier Applications

- High transition frequency: $f_T = 100 \text{ MHz}$ (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	1	Α	
Base current		Ι _Β	0.1	Α	
Collector power dissipation	Ta = 25°C	P _C	2.0	W	
	Tc = 25°C		20		
Junction temperature		Тј	150	°C	
Storage temperature range		T _{stg}	-55 to 150	°C	

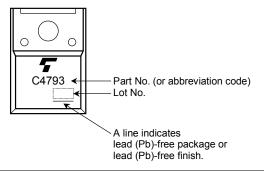
Unit: mm 10±0.3 03.2±0.2 2,7+0.2 0.75±0.15 1. BASE 2. COLLECTOR 3. EMITTER JEDEC JEITA TOSHIBA 2-10R1A

Weight: 1.7 g (typ.)

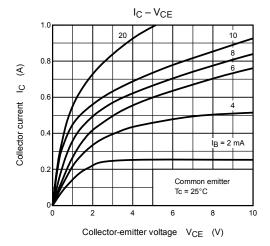
Electrical Characteristics (Tc = 25°C)

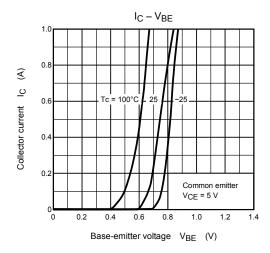
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Collector cut-off current	I _{CBO}	V _{CB} = 230 V, I _E = 0	_	_	1.0	μΑ
Emitter cut-off current	I _{EBO}	V _{EB} = 5 V, I _C = 0	_	_	1.0	μA
Collector-emitter breakdown voltage	V (BR) CEO	I _C = 10 mA, I _B = 0	230	_	_	V
DC current gain	h _{FE}	V _{CE} = 5 V, I _C = 100 mA	100	_	320	
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	_	_	1.0	V
Transition frequency	f _T	V _{CE} = 10 V, I _C = 100 mA	_	100	_	MHz
Collector output capacitance	C _{ob}	V _{CB} = 10 V, I _E = 0, f = 1 MHz	_	20	_	pF

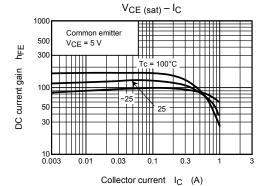
Marking

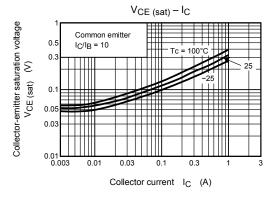


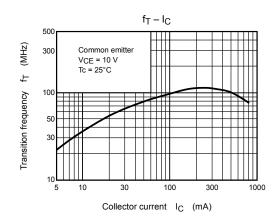
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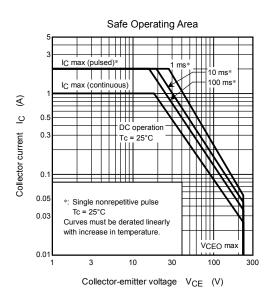












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Handbook" etc..

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