TOSHIBA Transistor Silicon NPN Triple Diffused Type

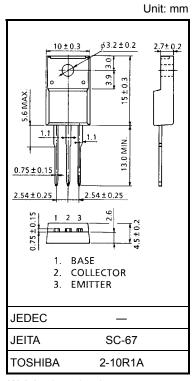
2SC5466

Dynamic Focus Applications
High Voltage Switching Applications
High Voltage Amplifier Applications

• High voltage: $V_{\rm CEO} = 800 \text{ V}$

Maximum Ratings (Tc = 25°C)

Characteristics		Symbol	Rating	Unit	
Collector-base voltage		V_{CBO}	800	V	
Collector-emitter voltage		V _{CEO}	800	V	
Emitter-base voltage		V _{EBO}	5	V	
Collector current		I _C	50	mA	
Base current		Ι _Β	25	mA	
Collector power dissipation	Ta = 25°C	Pc	2.0	W	
	Tc = 25°C	1 0	10		
Junction temperature		Tj	150	°C	
Storage temperature range		T _{stg}	−55 to 150	°C	

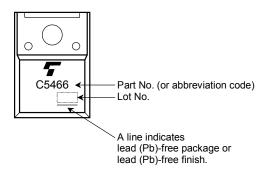


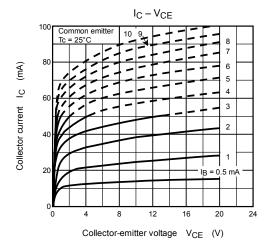
Weight: 1.7 g (typ.)

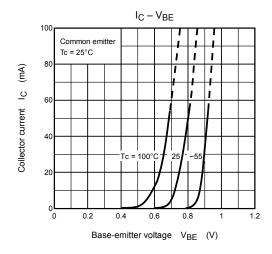
Electrical Characteristics (Tc = 25°C)

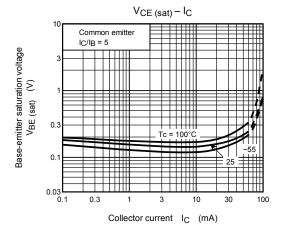
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Collector cut-off current	I _{CBO}	V _{CB} = 640 V, I _E = 0	_	_	1.0	μΑ
Emitter cut-off current	I _{EBO}	V _{EB} = 5 V, I _C = 0	_	_	10	μA
DC current gain	h _{FE}	V _{CE} = 5 V, I _C = 7 mA	15	_	_	
Collector-emitter saturation voltage	V _{CE (sat)}	I _C = 20 mA, I _B = 4 mA	_	_	1.0	V
Base-emitter saturation voltage	V _{BE (sat)}	I _C = 20 mA, I _B = 4 mA	_	_	1.5	V
Transition frequency	f _T	V _{CE} = 10 V, I _C = 3 mA	_	5.5	_	MHz
Collector output capacitance	C _{ob}	V _{CB} = 100 V, f = 1 MHz	_	2.2	_	pF

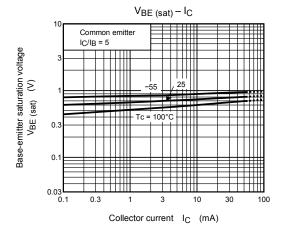
Marking

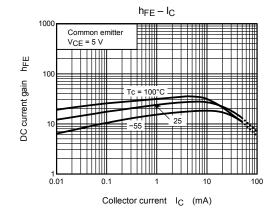


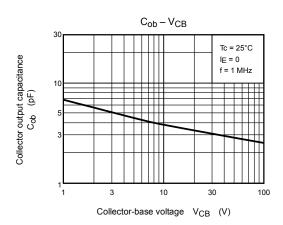


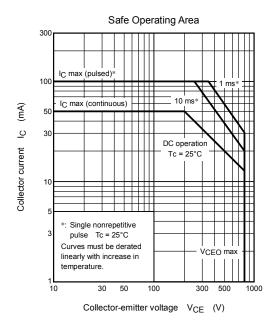












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