查询2SC5597供应商 Power Transistors

₩₩₩-0工2₩ 捷多邦,专业PCB打样工厂,24小时加急

2SC5597

Silicon NPN triple diffusion mesa type

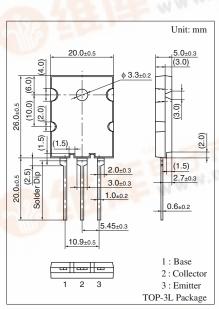
For horizontal deflection output

Features

- High breakdown voltage, and high reliability through the use of a glass passivation layer
- High-speed switching
- Wide area of safe operation (ASO)

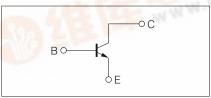
Parameter		Symbol	Rating	Unit	
Collector to base voltage		V _{CBO}	1 700	V	
Collector to emitter voltage		V _{CES}	1 700	V	
		V _{CEO}	600	V	
Emitter to base voltage		V _{EBO}	7	V	
Peak collector current		I _{CP}	30	А	
Collector current		I _C	22	А	
Base current		I _B	11	А	
Collector power	$T_C = 25^{\circ}C$	P _C	200	W	
dissipation	$T_a = 25^{\circ}C$		3.5		
Junction temperature		Tj	150	°C	
Storage temperature		T _{stg}	-55 to +150	°C	

Absolute Maximum Ratings $T_C = 25^{\circ}C$



Marking Symbol: C5597

Internal Connection

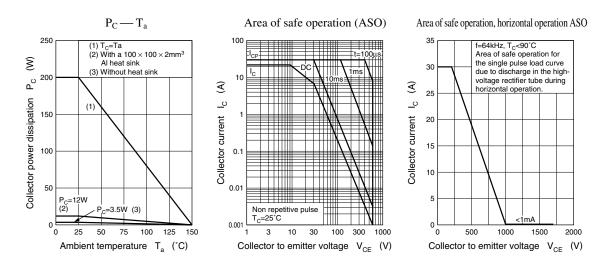


Electrical Characteristics $T_C = 25^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector cutoff current	I _{CBO}	$V_{CB} = 1\ 000\ V,\ I_E = 0$			50	μA
		$V_{CB} = 1\ 700\ V,\ I_E = 0$			1	mA
Emitter cutoff current	I_{EBO}	$V_{EB} = 7 V, I_C = 0$	1.6-3	150	50	μΑ
Forward current transfer ratio	h _{FE}	$V_{CE} = 5 V, I_C = 11 A$	6	1	12	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = 11 \text{ A}, I_{\rm B} = 2.75 \text{ A}$			3	V
Base to emitter saturation voltage	V _{BE(sat)}	$I_{\rm C} = 11 \text{ A}, I_{\rm B} = 2.75 \text{ A}$			1.5	V
Transition frequency	f _T	$V_{CE} = 10 \text{ V}, I_{C} = 0.1 \text{ A}, f = 0.5 \text{ MHz}$		3		MHz
Storage time	t _{stg}	$I_{\rm C} = 11$ A, Resistance loaded			3.0	μs
Fall time	t _f	$I_{B1} = 2.75 \text{ A}, I_{B2} = -5.5 \text{ A}$			0.2	μs



Power Transistors



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