2SC3063

Silicon NPN triple diffusion planar type

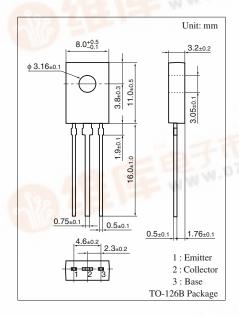
For TV video output amplification

■ Features

- High collector to emitter voltage V_{CEO}
- Small collector output capacitance Cob
- TO-126B package which requires no insulation plate for installation to the heat sink

■ Absolute Maximum Ratings $T_C = 25$ °C

Parameter	Symbol	Rating	Unit
Collector to base voltage	V_{CBO}	300	V
Collector to emitter voltage	V _{CEO}	300	V
Emitter to base voltage	V _{EBO}	7	V
Peak collector current	I_{CP}	200	mA
Collector current	I_C	100	mA
Collector power dissipation	P_{C}	1.2	W
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

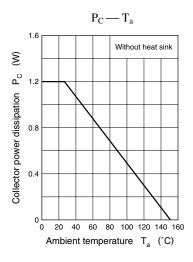


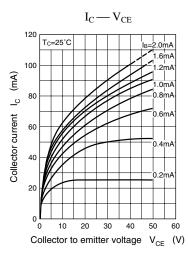
■ Electrical Characteristics $T_C = 25$ °C

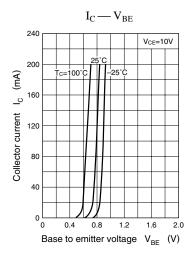
Parameter	Symbol	Conditions	Min	Тур	Max	Unit	
Collector to base voltage	V_{CBO}	$I_C = 10 \mu\text{A}, I_E = 0$	300			V	
Collector to emitter voltage	V_{CEO}	$I_C = 0.1 \text{ mA}, I_B = 0$	300			V	
Emitter to base voltage	V_{EBO}	$I_E = 10 \ \mu A, I_C = 0$	7			V	
Forward current transfer ratio	h _{FE}	$V_{CE} = 50 \text{ V}, I_{C} = 5 \text{ mA}$	50		250		
Base to emitter voltage	V_{BE}	$V_{CE} = 10 \text{ V}, I_{C} = 30 \text{ mA}$			1.2	V	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_C = 30 \text{ mA}, I_B = 3 \text{ mA}$		110	1.5	V	
Transition frequency	f_T	$V_{CB} = 30 \text{ V}, I_E = -20 \text{ mA}, f = 200 \text{ MHz}$	70	140		MHz	
Collector output capacitance	C _{ob}	$V_{CB} = 30 \text{ V}, I_{E} = 0, f = 1 \text{ MHz}$		2.4		pF	
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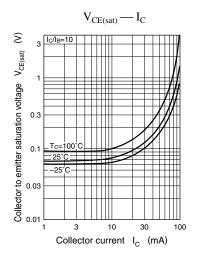


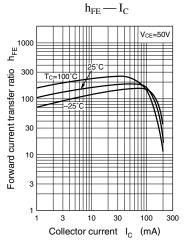
2SC3063 Power Transistors

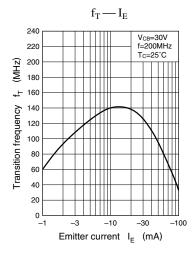


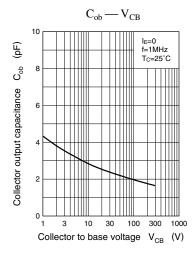


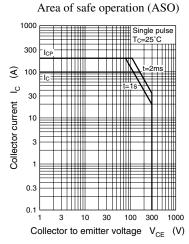












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