2SC2923

Silicon PNP Triple-Diffused Planar Type

Color TV Chroma Output

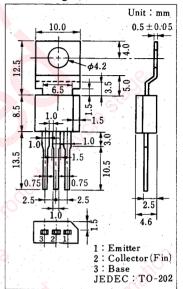
■ Features

- High collector-emitter voltage (V_{CEO})
- Small collector output capacitance (Cob)

■ Absolute Maximum Ratings (Ta=25°C)

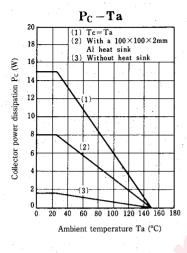
Item	Symbol	Value	Unit	
Collector-base voltage	V _{CBO}	300	V	
Collector-emitter voltage	V _{CEO}	300	V	
Emitter-base voltage	$V_{\rm EBO}$	7	- V	
Peak collector current	I _{CP}	200	mA	
Collector current	Ic	100	mA	
Collector power Ta=25°C	D	1.4	777	
dissipation $T_C = 25^{\circ}C$	Pc	15	W	
Junction temperature	Tj	150	°C (
Storage temperature	$T_{\rm stg}$	-55~+150	°C O	

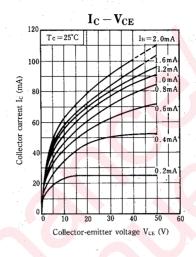
■ Package Dimensions

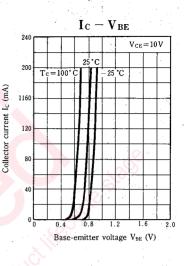


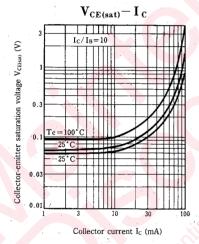
■ Electrical Characteristics (Tc=25°C)

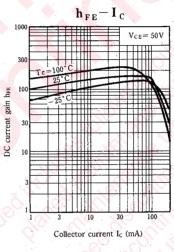
Item	Symbol	Condition	min.	typ.	max.	Unit
Collector-base voltage	V_{CBO}	$I_{\rm C} = 10 \mu A, I_{\rm E} = 0$	300	.05	1 1	V
Collector-emitter voltage	V_{CEO}	$I_{\rm C} = 100 \mu{\rm A}, I_{\rm B} = 0$	300	3	0	V
Emitter-base voltage	V _{EBO}	$I_E = 10 \mu A, I_C = 0$	7)	V
DC current gain	$ m h_{FE}$	$V_{CE} = 50V$, $I_C = 5mA$	50	00,	250	
Base-emitter voltage	V_{BE}	$V_{CE} = 10V, I_C = 30mA$	0, 0	0	1.2	·V
Collector-emitter saturation voltage	V _{CE} (sat)	$I_C = 30 \text{mA}, I_B = 3 \text{mA}$	00		1.5	V
Transition frequency	f_T	$V_{CB} = 30V$, $I_E = -20mA$, $f = 200MHz$	70	140	-	MHz
Collector output capacitance	₹ C _{ob}	$V_{CB} = 30V, I_E = 0, f = 1MHz$	7	2.4		рF

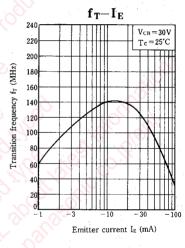


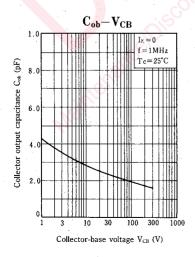


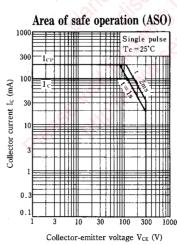












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