2SD2573

Silicon NPN triple diffusion planar type

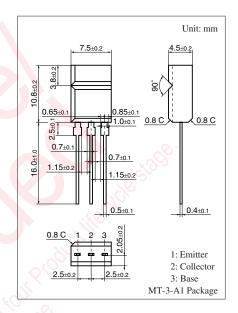
For high current amplification, power amplification

■ Features

- ullet Low collector-emitter saturation voltage $V_{\text{CE(sat)}}$
- Allowing supply with the radial taping

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Collector-base voltage (Emitter open)	V _{CBO}	80	V	
Collector-emitter voltage (Base open)	V _{CEO}	60	V	
Emitter-base voltage (Collector open)	V _{EBO}	6	V	
Collector current	I_{C}	3	A	
Peak collector current	I _{CP}	6	A	
Collector power dissipation $T_C = 25^{\circ}C$	P_{C}	1.5	W	
Junction temperature	T_{j}	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C ,	



■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

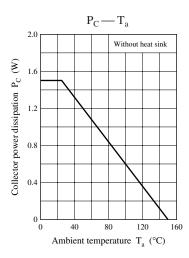
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-emitter voltage (Base open)	V _{CEO}	$I_C = 25 \text{ mA}, I_B = 0$	60	9		V
Collector-base cutoff current (Emitter open)	I _{CBO}	$V_{CB} = 80 \text{ V}, I_{E} = 0$	-07/		100	μΑ
Collector-emitter cutoff current (Base open)	I_{CEO}	$V_{CE} = 40 \text{ V}, I_{B} = 0$		5	100	μΑ
Emitter-base cutoff current (Collector open)	I_{EBO}	$V_{EB} = 6 \text{ V}, I_C = 0$	201		100	μΑ
Forward current transfer ratio *	h_{FE}	$V_{CE} = 4 \text{ V}, I_{C} = 0.5 \text{ A}$	500		2500	_
Collector-emitter saturation voltage	V _{CE(sat)}	$I_C = 2 A, I_B = 0.05 A$)		1.0	V
Transition frequency	f_T	$V_{CE} = 12 \text{ V}, I_{C} = 0.2 \text{ A}, f = 10 \text{ MHz}$		50		MHz

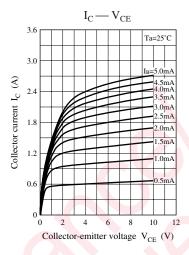
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

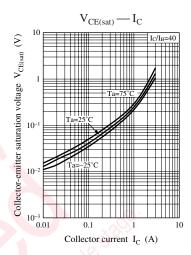
2. *: Rank classification

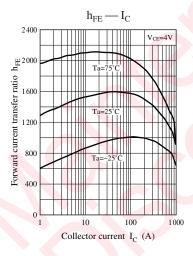
Rank	Р	Q	S RON
h_{FE}	500 to 1 000	800 to 1 500	1 200 to 2 500

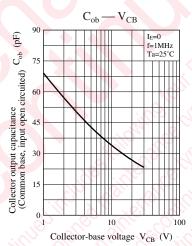
Panasonic











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