2SD2573

Silicon NPN triple diffusion planar type

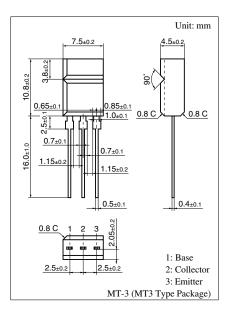
For high current amplification, power amplification

■ Features

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

■ Absolute Maximum Ratings $T_C = 25$ °C

Parameter	Symbol	Rating	Unit
Collector to base voltage	V_{CBO}	80	V
Collector to emitter voltage	V _{CEO}	60	V
Emitter to base voltage	V_{EBO}	6	V
Peak collector current	I_{CP}	6	A
Collector current	I_C	3	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 $T_C = 25$ °C

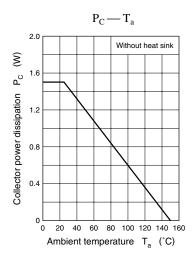
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector cutoff current	I_{CBO}	$V_{CB} = 80 \text{ V}, I_{E} = 0$			100	μΑ
	I _{CEO}	$V_{CE} = 40 \text{ V}, I_{B} = 0$			100	μΑ
Emitter cutoff current	I_{EBO}	$V_{EB} = 6 \text{ V}, I_{C} = 0$			100	μA
Collector to emitter voltage	V _{CEO}	$I_C = 25 \text{ mA}, I_B = 0$	60			V
Forward current transfer ratio *	h _{FE}	$V_{CE} = 4 \text{ V}, I_{C} = 0.5 \text{ A}$	500		2 500	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_C = 2 \text{ A}, I_B = 0.05 \text{ A}$			1.0	V
Transition frequency	f_T	$V_{CE} = 12 \text{ V}, I_C = 0.2 \text{ A}, f = 200 \text{ MHz}$		50		MHz

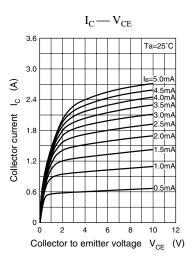
Note) *: Rank classification

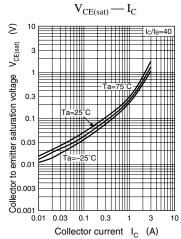
Rank	Р	Q	R	
h_{FE}	500 to 1 000	800 to 1 500	1 200 to 2 500	

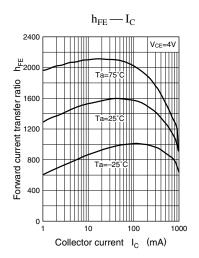
Panasonic 1

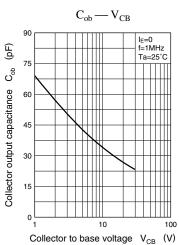
2SD2573 Power Transistors











2 Panasonic

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