Transistor Panasonic

2SD0662, 2SD0662B (2SD662, 2SD662B)

Silicon NPN epitaxial planer type

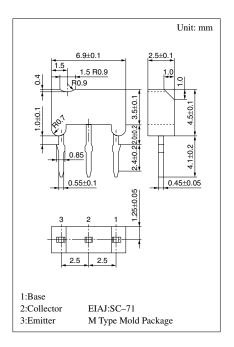
For high breakdown voltage general amplification

Features

- High collector to emitter voltage V_{CEO}.
- High transition frequency f_T.
- M type package allowing easy automatic and manual insertion as well as stand-alone fixing to the printed circuit board.

Absolute Maximum Ratings (Ta=25°C)

Parameter		Symbol	Ratings	Unit	
Collector to	2SD0662	37	250	37	
base voltage	2SD0662B	V_{CBO}	400	V	
Collector to	2SD0662	**	200	\$7	
emitter voltage	2SD0662B	V_{CEO}	400	V	
Emitter to base voltage		V_{EBO}	5	V	
Peak collector current		I_{CP}	100	mA	
Collector current		I_C	70	mA	
Collector power dissipation		P_{C}	600	mW	
Junction temperature		T _j	150	°C	
Storage temperature		T_{stg}	−55 ~ +150	°C	



Electrical Characteristics (Ta=25°C)

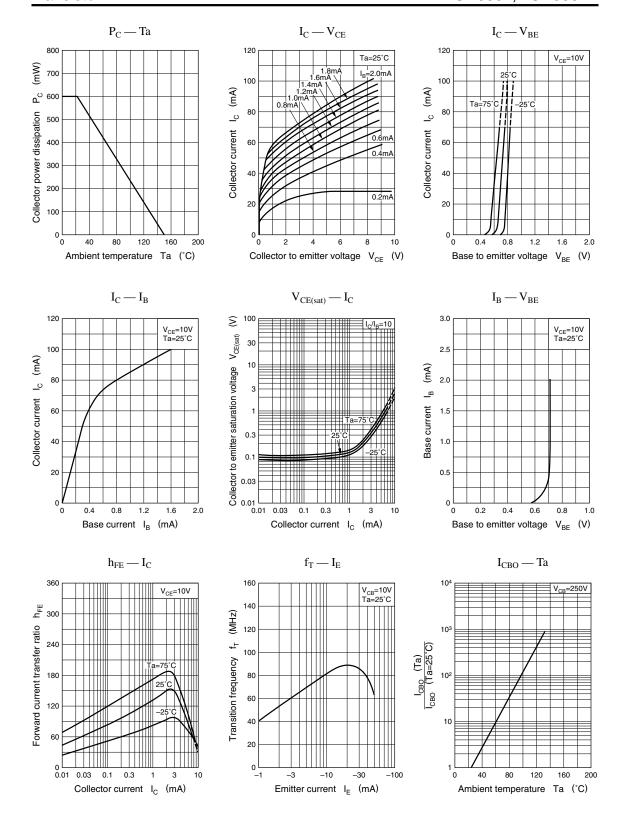
Parameter		Symbol	Conditions	min	typ	max	Unit
Collector cutoff current		I _{CEO}	$V_{CE} = 100V, I_{B} = 0$			2	μΑ
Collector to emitter	2SD0662	17	I 100A I 0	200			37
voltage	2SD0662B	V_{CEO}	$I_C = 100 \mu A, I_B = 0$	400			V
Emitter to base voltage V _{EBO}		V _{EBO}	$I_E = 10\mu A, I_C = 0$	5			V
Forward current	2SD0662	. *	W 10W I 5 A	30		220	
transfer ratio	2SD0662B	h _{FE} *	$V_{CE} = 10V, I_C = 5mA$	30		150]
Collector to emitter saturation voltage		V _{CE(sat)}	$I_C = 50 \text{mA}, I_B = 5 \text{mA}$			1.2	V
Transition frequency		f_T	$V_{CB} = 10V, I_E = -10mA, f = 200MHz$	50	80		MHz
Collector output capacitance		C _{ob}	$V_{CB} = 10V, I_{E} = 0, f = 1MHz$		5	10	pF

*hFE Rank classification

Rank	P	Q	R	
h_{FE}	30 ~ 100	60 ~ 150	100 ~ 220	

Note.) The Part numbers in the Parenthesis show conventional part number.

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