
2SC4367

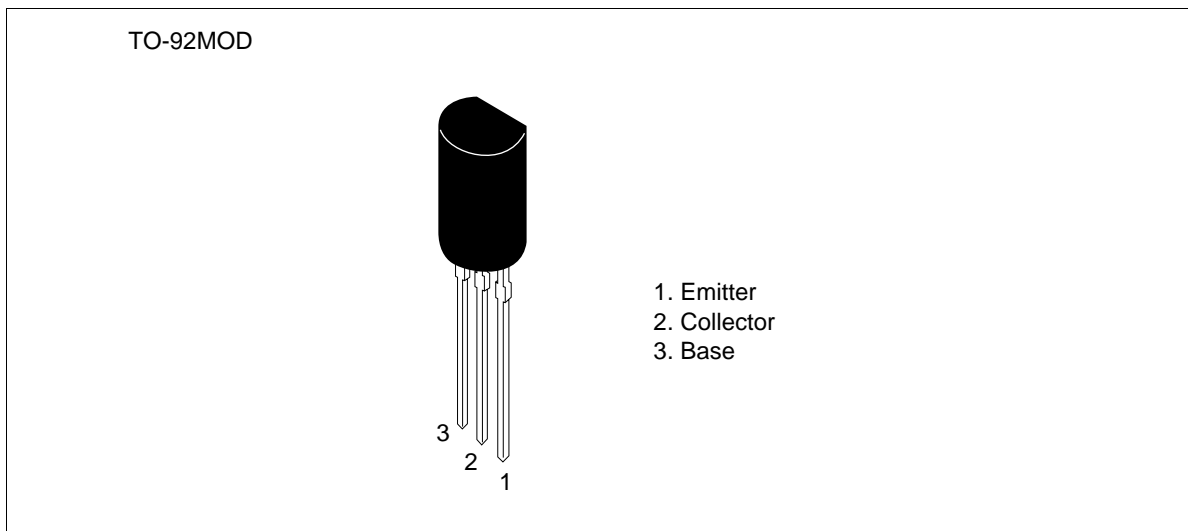
Silicon NPN Epitaxial

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Application

High Frequency amplifier

Outline



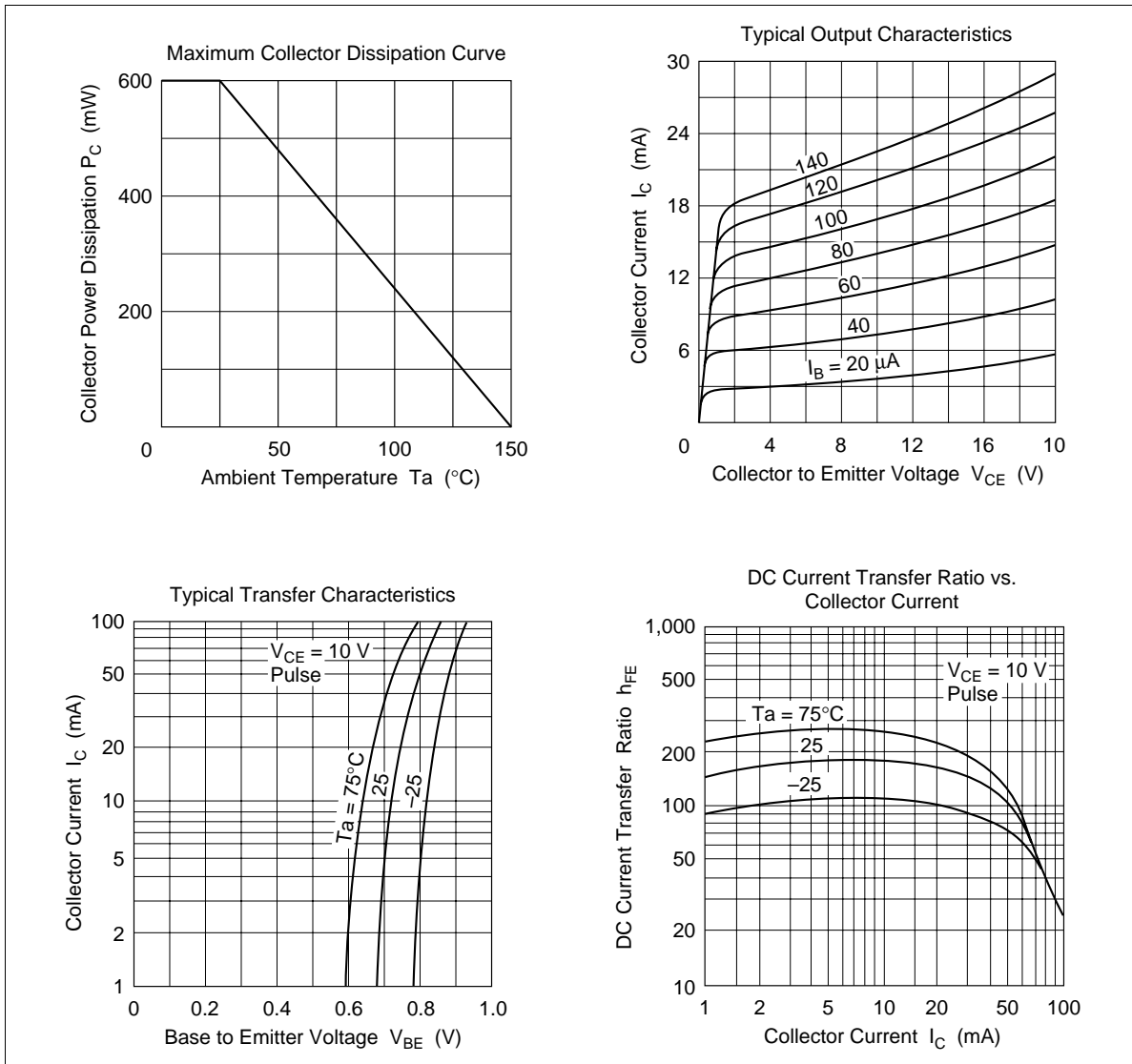
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Absolute Maximum Ratings (Ta = 25°C)

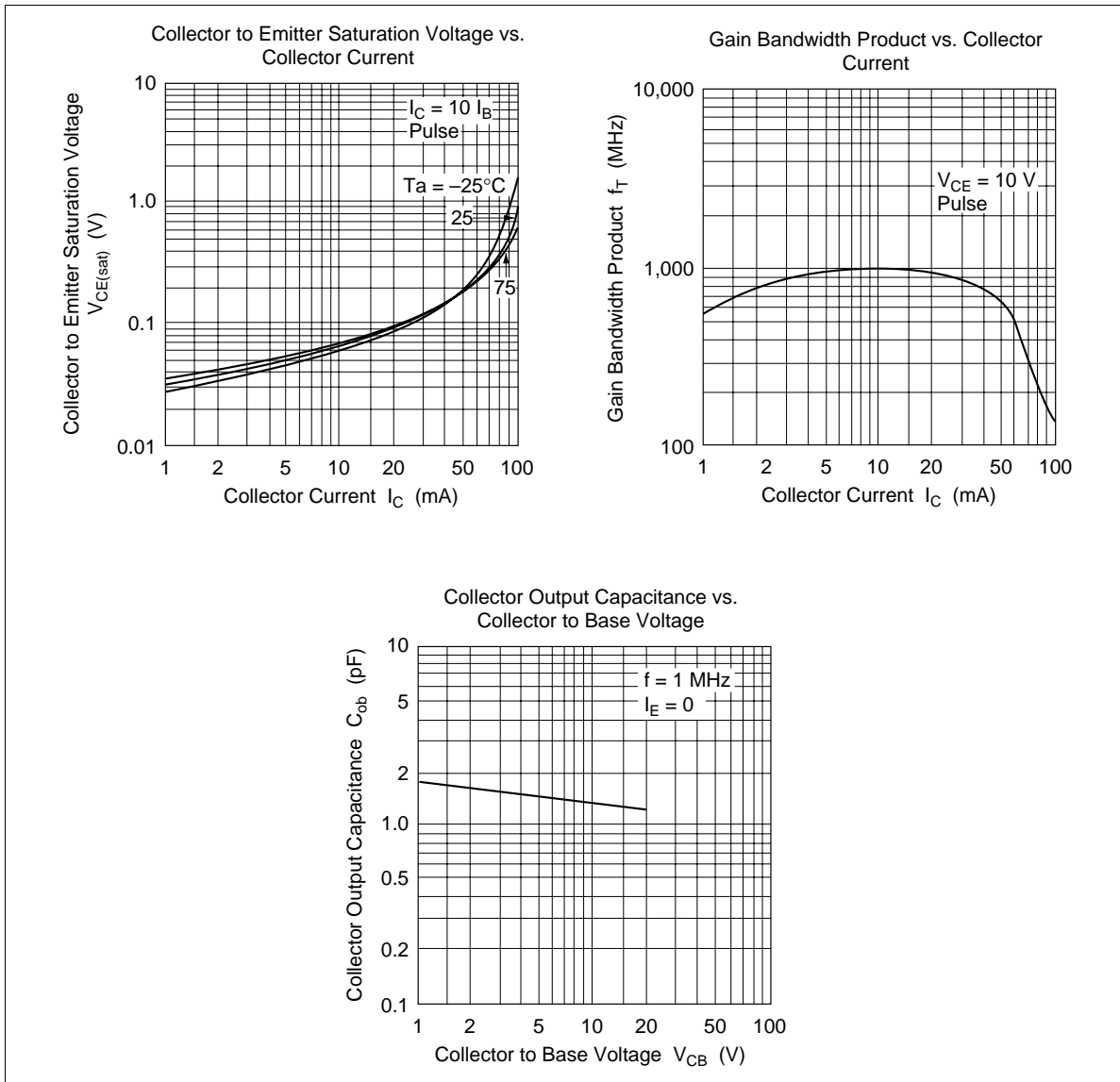
Item	Symbol	Ratings	Unit
Collector to base voltage	V_{CBO}	30	V
Collector to emitter voltage	V_{CEO}	20	V
Emitter to base voltage	V_{EBO}	3	V
Collector current	I_C	100	mA
Collector peak current	$i_{C(peak)}$	200	mA
Collector power dissipation	P_C	600	mW
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

Electrical Characteristics (Ta = 25°C)

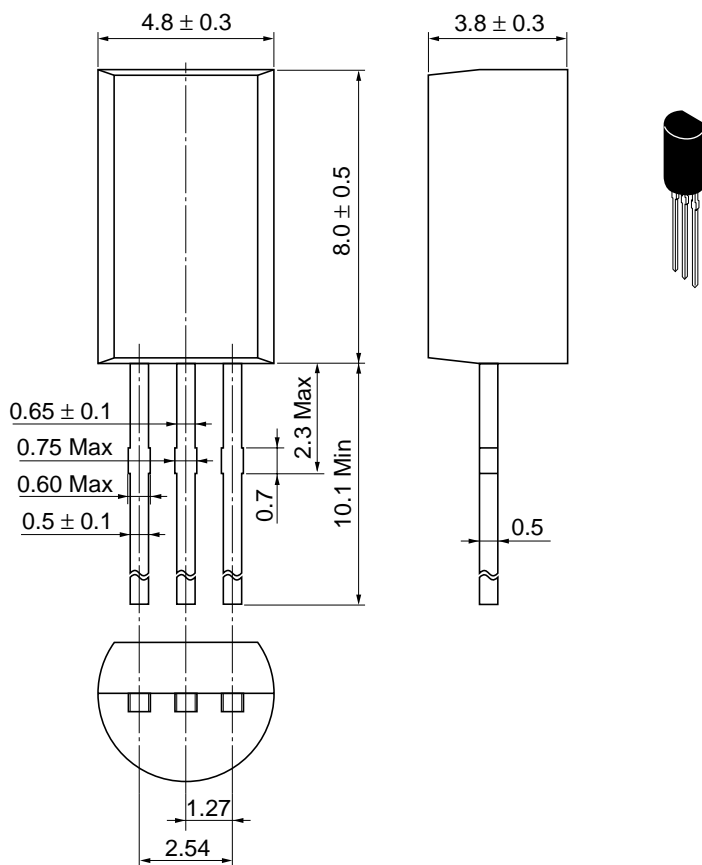
Item	Symbol	Min	Typ	Max	Unit	Test conditions
Collector to base breakdown voltage	$V_{(BR)CBO}$	30	—	—	V	$I_C = 10 \mu A, I_E = 0$
Collector to emitter breakdown voltage	$V_{(BR)CEO}$	20	—	—	V	$I_C = 3 mA, R_{BE} = \infty$
Emitter to base breakdown voltage	$V_{(BR)EBO}$	3	—	—	V	$I_E = 10 \mu A, I_C = 0$
Collector cutoff current	I_{CBO}	—	—	1.0	μA	$V_{CB} = 10 V, I_E = 0$
DC current transfer ratio	h_{FE}	40	—	—		$V_{CE} = 10 V, I_C = 10 mA$
Collector to emitter saturation voltage	$V_{CE(sat)}$	—	—	1.0	V	$I_C = 20 mA, I_B = 4 mA$
Gain bandwidth product	f_T	600	1000	—	MHz	$V_{CE} = 10 V, I_C = 10 mA$
Collector output capacitance	C_{ob}	—	1.3	—	pF	$V_{CB} = 10 V, I_E = 0, f = 1 MHz$



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Unit: mm



Hitachi Code	TO-92 Mod
JEDEC	—
EIAJ	Conforms
Weight (reference value)	0.35 g

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