8.0+0.5

3.8±0.3

1.6±0.2 2.3±0.2

0.5±0.1

Unit: mm

3.2±0.2

1.76±0.1

1: Emitter

TO-126B-A1 Package

2: Collector 3: Base

2SC2258

Silicon NPN triple diffusion planar type

For high breakdown voltage general amplification

Features

- High collector-emitter voltage (Base open) V_{CEO}
- High transition frequency f_T
- TO-126B package which requires no insulation plate for installation to the heat sink

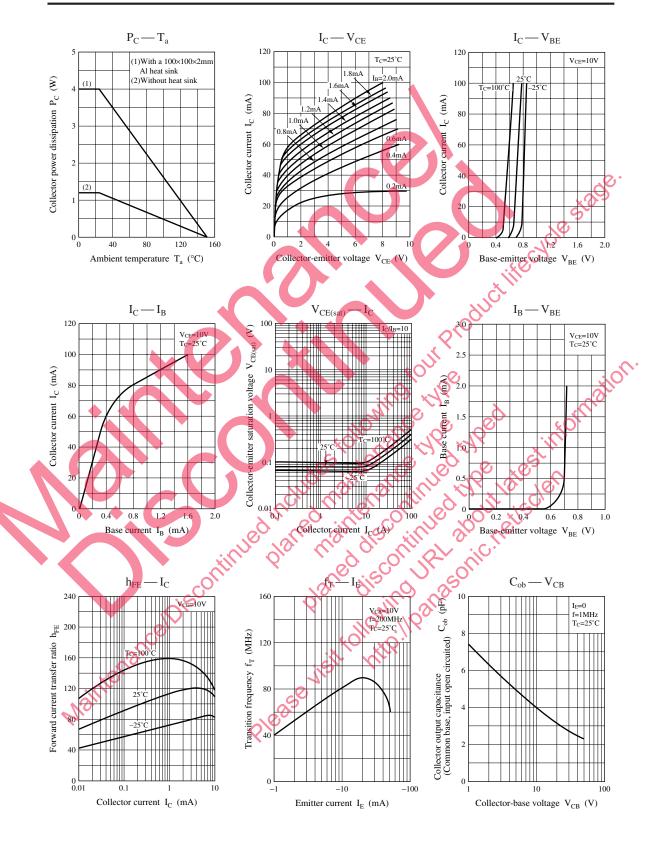
Absolute Maximum Ratings $T_a = 25^{\circ}$



Parameter	Symbol	Conditions Min Typ	Max	Unit
Emitter-base voltage (Collector open)	V _{EBO}	$I_E = 0.1 \text{ mA}, t_0 = 0$		V
Base-emitter voltage	V _{BE}	$V_{CE} = 20$ Y, $I_C = 40$ mA	1.2	V
Collector-emitter cutoff current	I _{CER}	$V_{CE} = 250 \text{ V}, R_{BE} = 100 \text{ k}\Omega$	100	μΑ
(Resistor between B and E)				
Forward current transfer ratio	h _{FE1}	$V_{CE} = 20 \text{ V}, I_C = 40 \text{ mA}$ 40		_
all	h _{FE2}	$V_{CE} = 50 V, I_C = 5 mA$ 30		
Collector-entitier saturation voltage	V _{CE(sat)}	$I_{\rm C} = 50$ mA, $I_{\rm B} = 5$ mA	1.2	V
Transition frequency	f _T	$V_{CB} = 10 \text{ V}, I_E = -10 \text{ mA}, f = 200 \text{ MHz}$ 100		MHz
Collector output capacitance	C _{ob}	$N_{CB} = 50 \text{ V}, I_E = 0, f = 1 \text{ MHz}$ 3.0	4.5	pF
(Common base, input open circuited)				

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

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