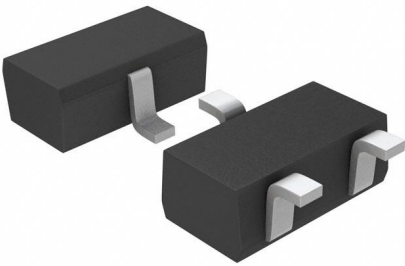


2SB1462J0L Datasheet

www.digi-electronics.com



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DiGi Electronics Part Number	2SB1462J0L-DG
Manufacturer	Panasonic Electronic Components
Manufacturer Product Number	2SB1462J0L
Description	TRANS PNP 50V 0.1A SSMINI3
Detailed Description	Bipolar (BJT) Transistor PNP 50 V 100 mA 80MHz 12 5 mW Surface Mount SSMINI3-F1



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

2SB1462J0L

Series:

-

Transistor Type:

PNP

Voltage - Collector Emitter Breakdown (Max):

50 V

Current - Collector Cutoff (Max):

100µA

Power - Max:

125 mW

Operating Temperature:

125°C (TJ)

Package / Case:

SC-89, SOT-490

Base Product Number:

2SB1462

Manufacturer:

Panasonic Electronic Components

Product Status:

Obsolete

Current - Collector (Ic) (Max):

100 mA

Vce Saturation (Max) @ Ib, Ic:

500mV @ 10mA, 100mA

DC Current Gain (hFE) (Min) @ Ic, Vce:

160 @ 2mA, 10V

Frequency - Transition:

80MHz

Mounting Type:

Surface Mount

Supplier Device Package:

SSMini3-F1

Environmental & Export classification

Moisture Sensitivity Level (MSL):

1 (Unlimited)

HTSUS:

8541.21.0095

ECCN:

EAR99

2SB1462J

Silicon PNP epitaxial planar type

For general amplification

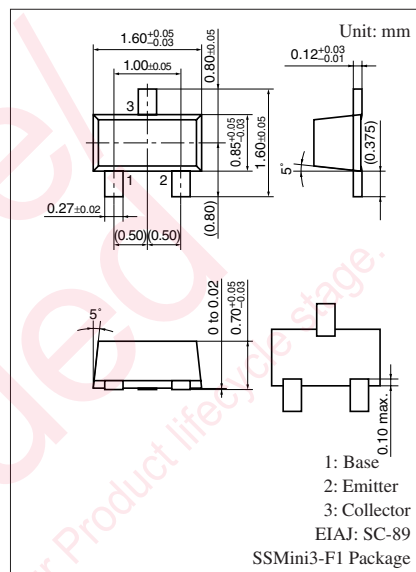
Complementary to 2SD2216J

■ Features

- High forward current transfer ratio h_{FE}
- SS-Mini type package, allowing downsizing of the equipment and automatic insertion through the tape packing

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

Parameter	Symbol	Rating	Unit
Collector-base voltage (Emitter open)	V_{CBO}	-60	V
Collector-emitter voltage (Base open)	V_{CEO}	-50	V
Emitter-base voltage (Collector open)	V_{EBO}	-7	V
Collector current	I_C	-100	mA
Peak collector current	I_{CP}	-200	mA
Collector power dissipation	P_C	125	mW
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +125	$^\circ\text{C}$

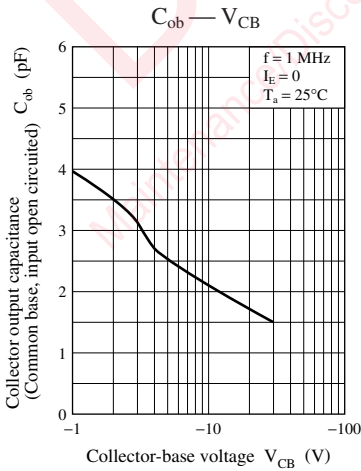
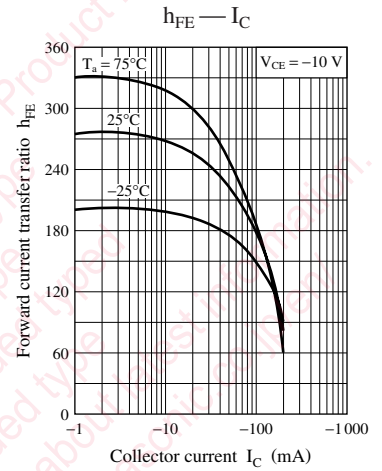
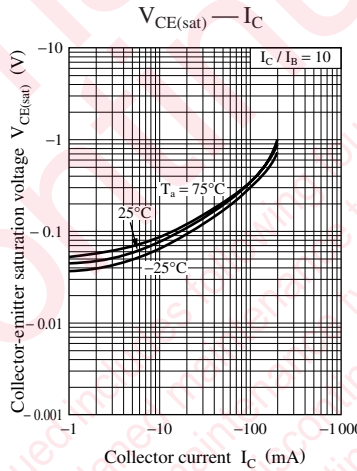
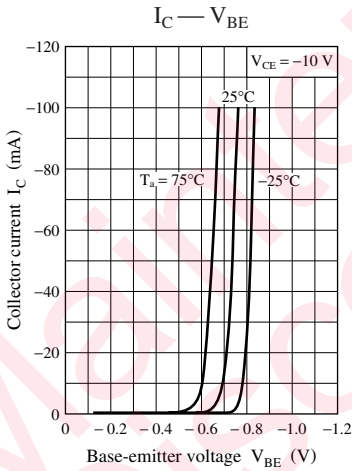
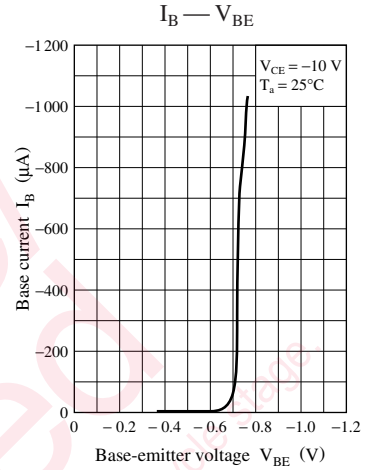
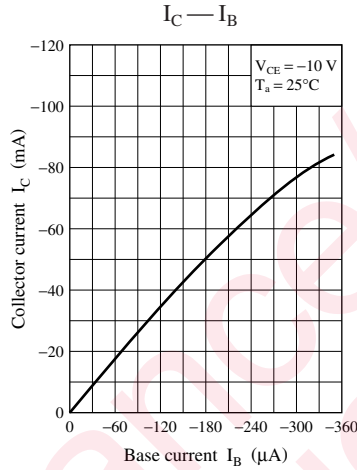
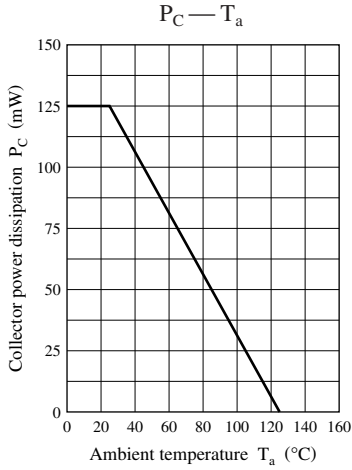


Marking Symbol: A

■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Collector-base voltage (Emitter open)	V_{CBO}	$I_C = -10 \mu\text{A}, I_E = 0$	-60			V
Collector-emitter voltage (Base open)	V_{CEO}	$I_C = -100 \mu\text{A}, I_B = 0$	-50			V
Emitter-base voltage (Collector open)	V_{EBO}	$I_E = -10 \mu\text{A}, I_C = 0$	-7			V
Collector-base cutoff current (Emitter open)	I_{CBO}	$V_{CB} = -20 \text{V}, I_E = 0$			-0.1	μA
Collector-emitter cutoff current (Base open)	I_{CEO}	$V_{CE} = -10 \text{V}, I_E = 0$			-100	μA
Forward current transfer ratio	h_{FE}	$V_{CE} = -10 \text{V}, I_C = -2 \text{mA}$	160		460	—
Collector-emitter saturation voltage *1	$V_{CE(sat)}$	$I_C = -100 \text{mA}, I_B = -10 \text{mA}$		-0.3	-0.5	V
Transition frequency	f_T	$V_{CB} = -10 \text{V}, I_E = 1 \text{mA}, f = 200 \text{MHz}$		80		MHz
Collector output capacitance (Common base, input open circuited)	C_{ob}	$V_{CB} = -10 \text{V}, I_E = 0, f = 1 \text{MHz}$		2.7		pF

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



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