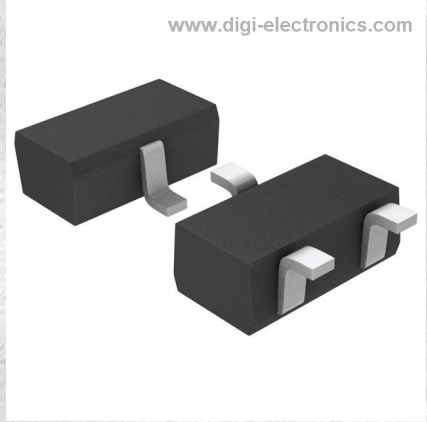
2SB1722J0L Datasheet



https://www.DiGi-Electronics.com

DiGi Electronics Part Number	2SB1722J0L-DG
Manufacturer	Panasonic Electronic Components
Manufacturer Product Number	2SB1722J0L
Description	TRANS PNP 100V 0.02A SSMINI3
Detailed Description	Bipolar (BJT) Transistor PNP 100 V 20 mA 200MHz 125 mW Surface Mount SSMini3-F1

Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
2SB1722J0L	Panasonic Electronic Components
Series:	Product Status:
-	Obsolete
Transistor Type:	Current - Collector (Ic) (Max):
PNP	20 mA
Voltage - Collector Emitter Breakdown (Max):	Vce Saturation (Max) @ Ib, Ic:
100 V	300mV @ 1mA, 10mA
Current - Collector Cutoff (Max):	DC Current Gain (hFE) (Min) @ Ic, Vce:
1µA	200 @ 2mA, 10V
Power - Max:	Frequency - Transition:
125 mW	200MHz
Operating Temperature:	Mounting Type:
125°C (TJ)	Surface Mount
Package / Case:	Supplier Device Package:
SC-89, SOT-490	SSMini3-F1
Base Product Number:	
2SB1722	

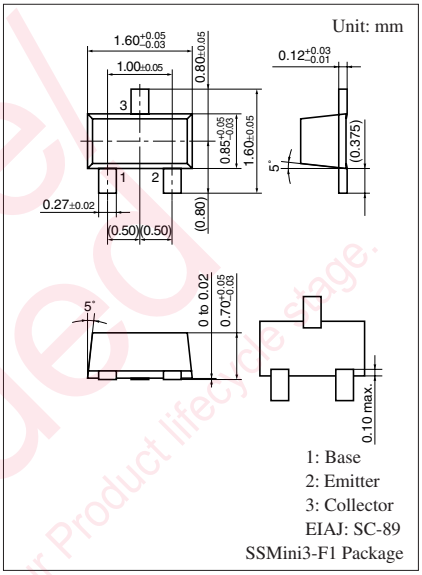
Environmental & Export classification

Moisture Sensitivity Level (MSL):	ECCN:
1 (Unlimited)	EAR99
HTSUS:	
8541.21.0075	

2SB1722J

Silicon PNP epitaxial planar type

For high breakdown voltage low-frequency amplification



Marking Symbol: 4R

■ Features

- High collector-emitter voltage (Base open) V_{CEO}
- SS-Mini type package, allowing downsizing of the equipment and automatic insertion through the tape packing

■ Absolute Maximum Ratings $T_a = 25°C$

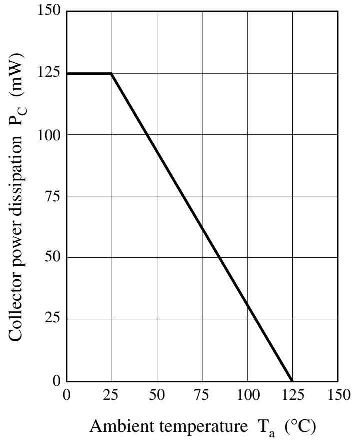
Parameter	Symbol	Rating	Unit
Collector-base voltage (Emitter open)	V_{CBO}	−100	V
Collector-emitter voltage (Base open)	V_{CEO}	−100	V
Emitter-base voltage (Collector open)	V_{EBO}	−5	V
Collector current	I_C	−20	mA
Peak collector current	I_{CP}	−50	mA
Collector power dissipation	P_C	125	mW
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	−55 to +125	°C

■ Electrical Characteristics $T_a = 25°C \pm 3°C$

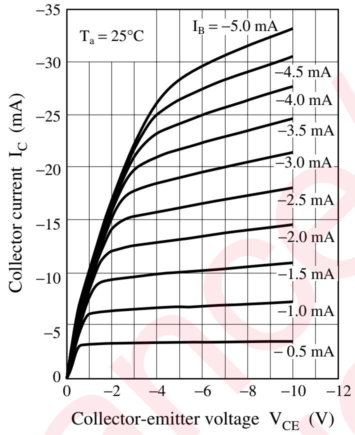
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Collector-base voltage (Emitter open)	V_{CBO}	$I_C = -10$ µA, $I_E = 0$	−100			V
Collector-emitter voltage (Base open)	V_{CEO}	$I_C = -1$ mA, $I_B = 0$	−100			V
Emitter-base voltage (Collector open)	V_{EBO}	$I_E = -10$ µA, $I_C = 0$	−5			V
Collector-base cutoff current (Emitter open)	I_{CBO}	$V_{CB} = -50$ V, $I_E = 0$			−100	nA
Collector-emitter cut-off current (Base open)	I_{CEO}	$V_{CE} = -50$ V, $I_B = 0$			−1	µA
Forward current transfer ratio	h_{FE}	$V_{CE} = -10$ V, $I_C = -2$ mA	200		700	—
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -10$ mA, $I_B = -1$ mA			− 0.3	V
Transition frequency	f_T	$V_{CB} = -5$ V, $I_E = 2$ mA, f = 200 MHz		200		MHz

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

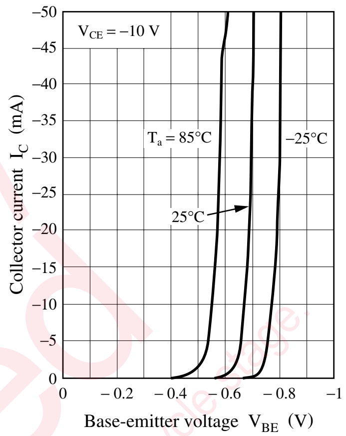
P_C — T_a



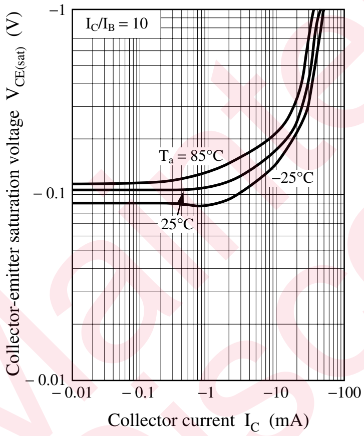
I_C — V_{CE}



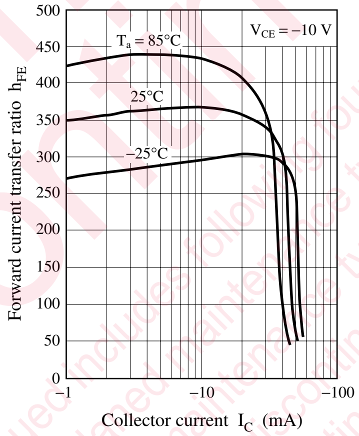
I_C — V_{BE}



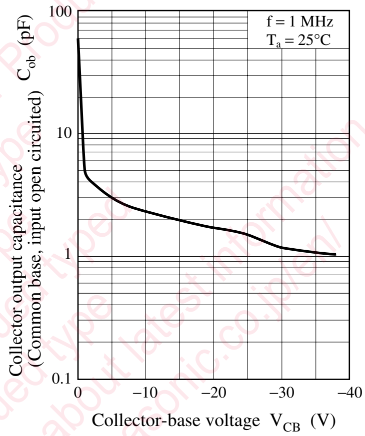
$V_{CE(sat)}$ — I_C



h_{FE} — I_C



C_{ob} — V_{CB}



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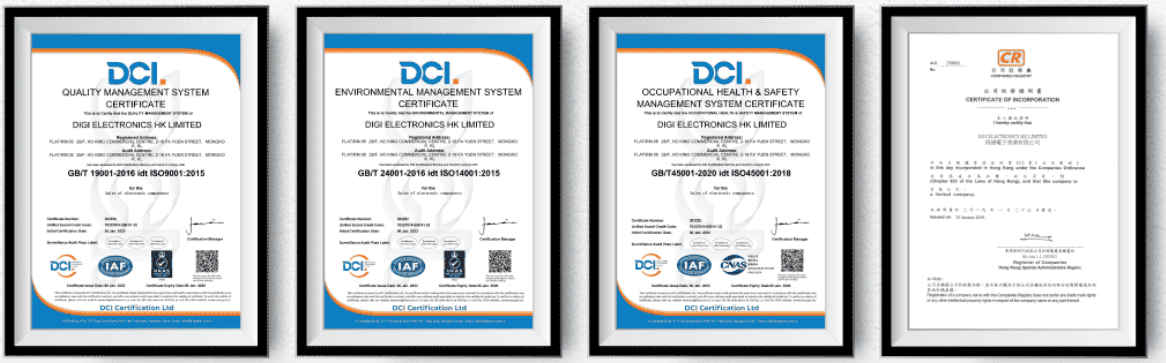

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