

# CPH6020

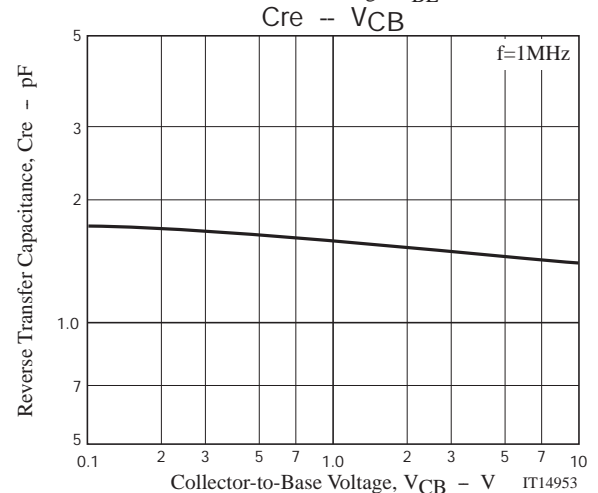
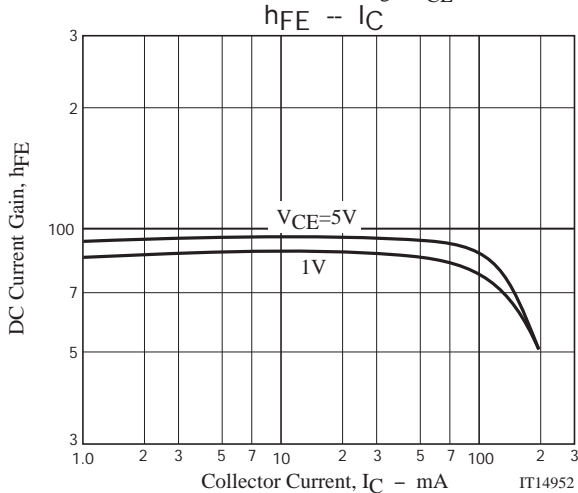
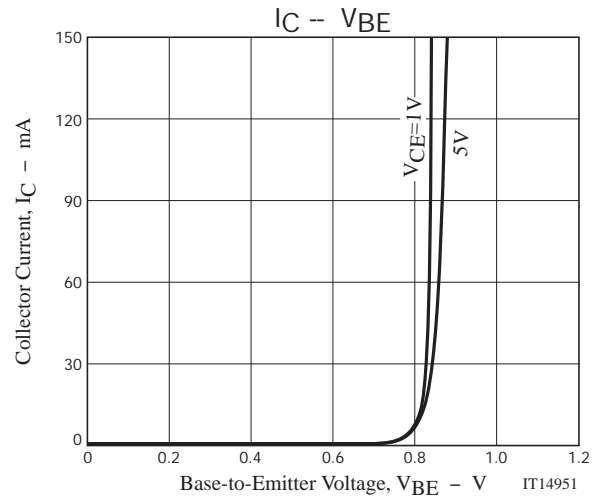
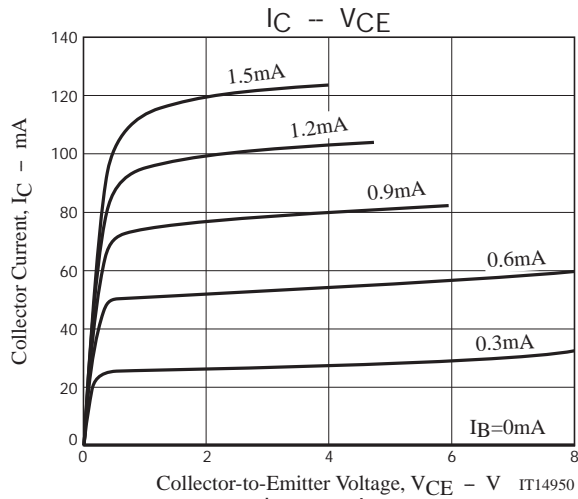
## Electrical Characteristics at Ta=25°C

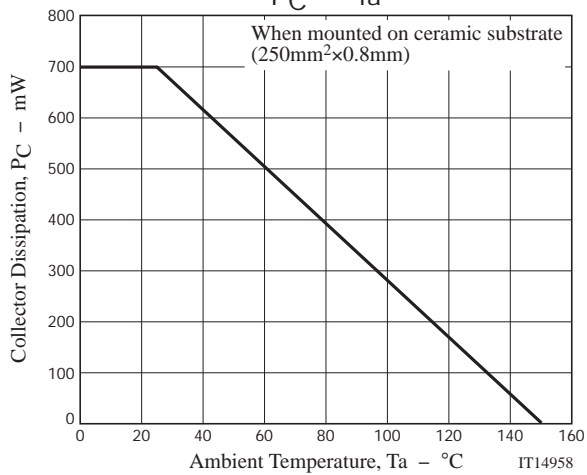
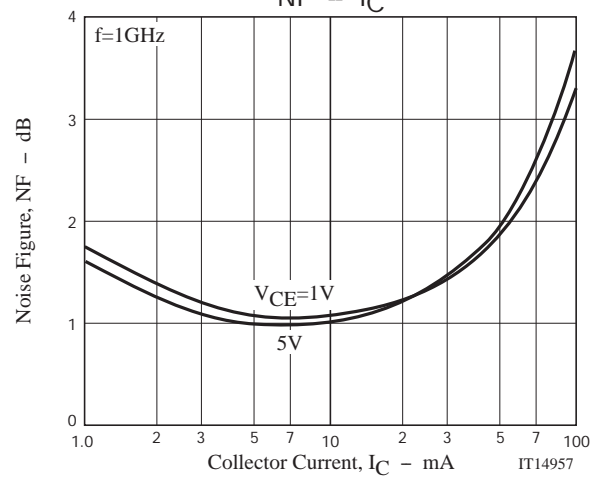
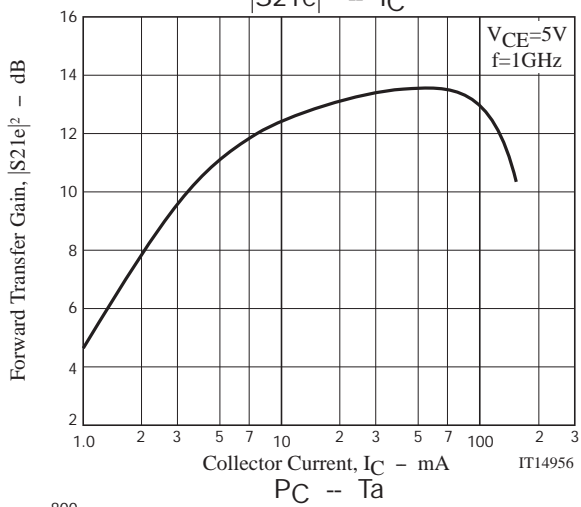
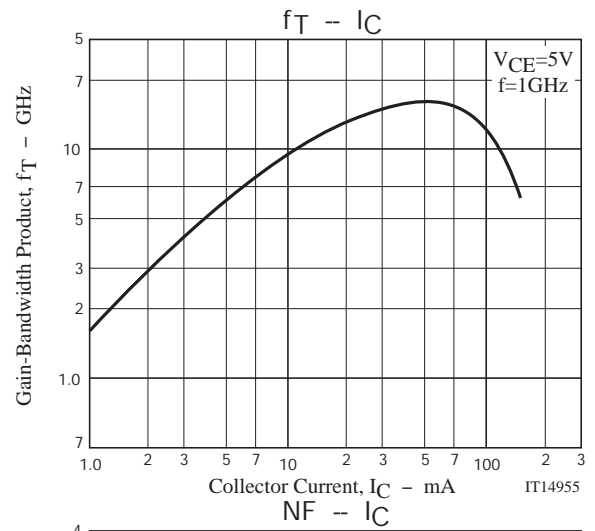
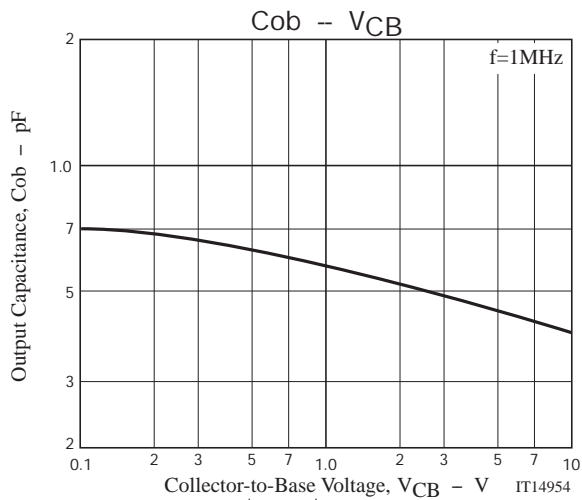
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector Cutoff Current	ICBO	V <sub>CB</sub> =5V, I <sub>E</sub> =0A			1.0	μA
Emitter Cutoff Current	IEBO	V <sub>EB</sub> =1V, I <sub>C</sub> =0A			1.0	μA
DC Current Gain	h <sub>FE</sub>	V <sub>CE</sub> =5V, I <sub>C</sub> =50mA	60		150	
Gain-Bandwidth Product	f <sub>T</sub>	V <sub>CE</sub> =5V, I <sub>C</sub> =50mA	13	16		GHz
Forward Transfer Gain	S <sub>21e</sub>   <sup>2</sup>	V <sub>CE</sub> =5V, I <sub>C</sub> =50mA, f=1GHz	10	13.5		dB
Noise Figure	NF	V <sub>CE</sub> =1V, I <sub>C</sub> =10mA, f=1GHz		1.2	1.8	dB

Notre) Pay attention to handling since it is liable to be affected by static electricity due to the high-frequency process adopted.

## Ordering Information

Device	Package	Shipping	memo
CPH6020-TL-E	CPH6	3,000pcs./reel	Pb Free





## Embossed Taping Specification

CPH6020-TL-E

## 1. Packing Format

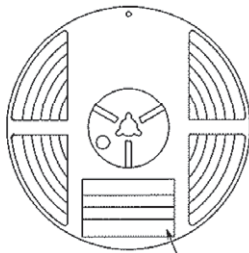
Package Name	Carrier Tape Type	Maximum Number of devices contained (pcs)			Packing format	
		Reel	Inner box	Outer box	Inner BOX (C-1)	Outer BOX (A-7)
CPH6	CPH6	3,000	15,000	90,000	5 reels contained Dimensions:mm (external) 183×72×185	6 inner boxes contained Dimensions:mm (external) 440×195×210

Reel label, Inner box label  
(unit:mm)

Outer box label

It is a label at the time of factory shipments.  
The form of a label may change in physical distribution process.

## Packing method



Reel label

Type No.  
LOT No.  
Quantity  
Origin

TYPE	000000000
LOT	00
QTY	0,000 (1) LEAD FREE *
SPECIAL	*20722005310C*
ASSEMBLY	**** (DIFFUSION:****)

NOTE (1)

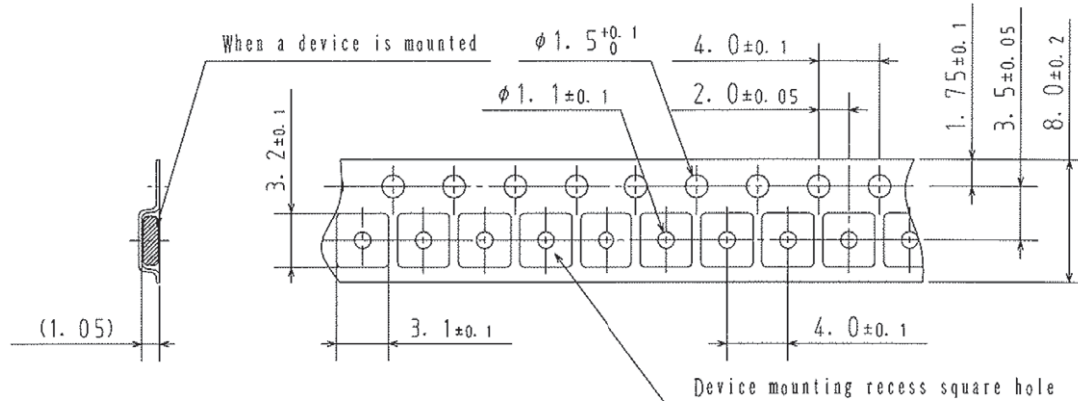
The LEAD FREE \* description shows that the surface treatment of the terminal is lead free.

Label	JEITA Phase
LEAD FREE 3	JEITA Phase 3A
LEAD FREE 4	JEITA Phase 3

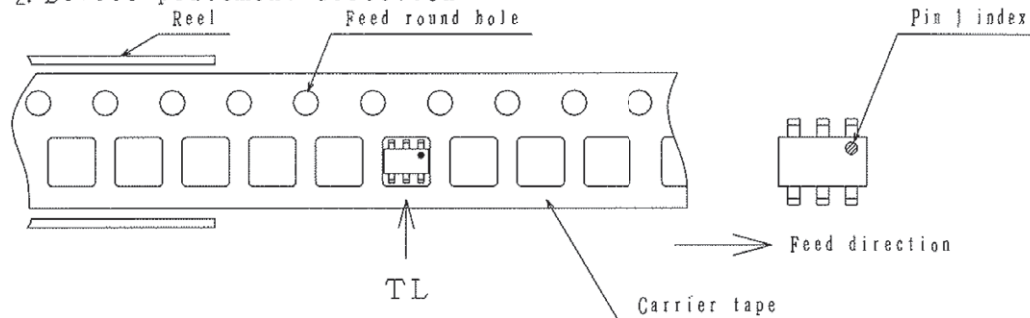
TYPE CODE	*****
TYPE	*****
QTY	0,000 PCS (1) LEAD FREE *
LOT	*****
PACKAGE	*****
SPECIAL	*20722005310C*
ASSEMBLY	**** (DIFFUSION:****)

## 2. Taping configuration

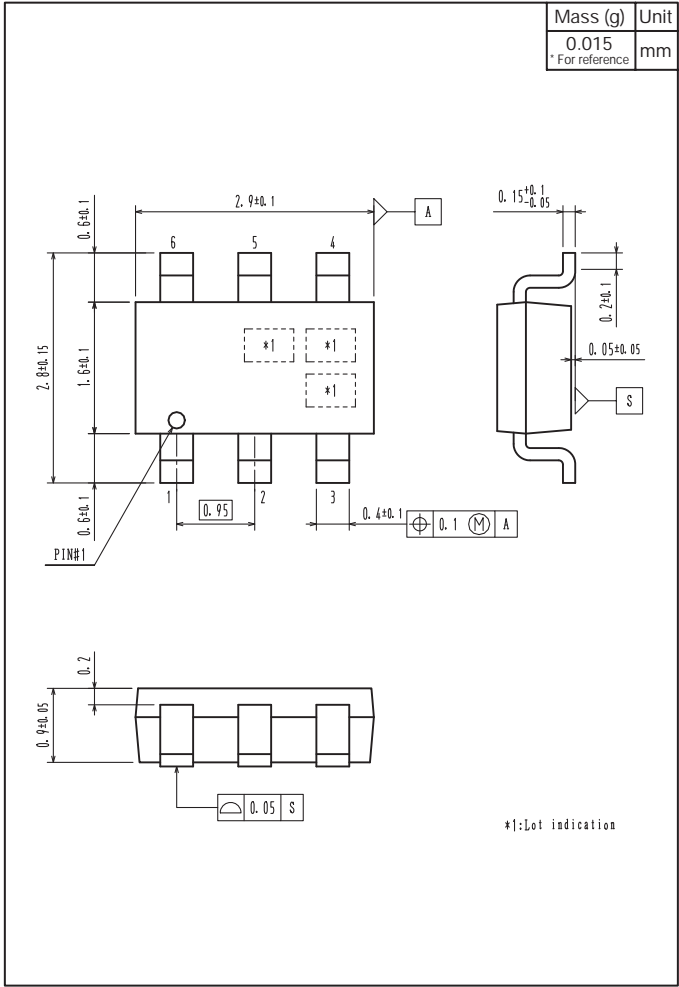
## 2-1. Carrier tape size (unit:mm)



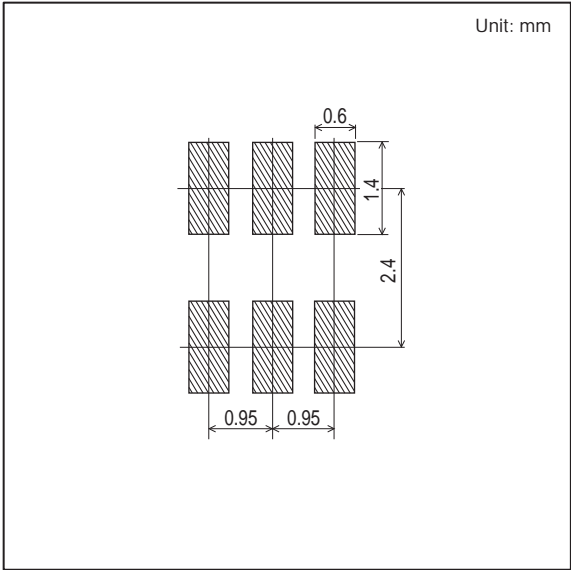
## 2-2. Device placement direction



Outline Drawing  
CPH6020-TL-E



Land Pattern Example



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