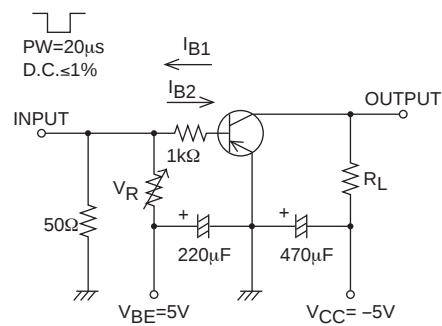


Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector Cutoff Current	ICBO	V _{CB} = -12V, I _E =0A			-0.1	μA
Emitter Cutoff Current	IEBO	V _{EB} = -4V, I _C =0A			-0.1	μA
DC Current Gain	h _{FE}	V _{CE} = -2V, I _C = -500mA	200		560	
Gain-Bandwidth Product	f _T	V _{CE} = -2V, I _C = -500mA		280		MHz
Output Capacitance	Cob	V _{CB} = -10V, f=1MHz		36		pF
Collector-to-Emitter Saturation Voltage	V _{CE(sat)}	I _C = -1.5A, I _B = -30mA		-110	-165	mV
Base-to-Emitter Saturation Voltage	V _{BE(sat)}	I _C = -1.5A, I _B = -30mA		-0.85	-1.2	mV
Collector-to-Base Breakdown Voltage	V _{(BR)CBO}	I _C = -10μA, I _E =0A	-15			V
Collector-to-Emitter Breakdown Voltage	V _{(BR)CEO}	I _C = -1mA, R _{BE} =∞	-12			V
Emitter-to-Base Breakdown Voltage	V _{(BR)EBO}	I _E = -10μA, I _C =0A	-5			V
Turn-On Time	t _{on}	See specified Test Circuit.		30		ns
Storage Time	t _{stg}			90		ns
Fall Time	t _f			10		ns

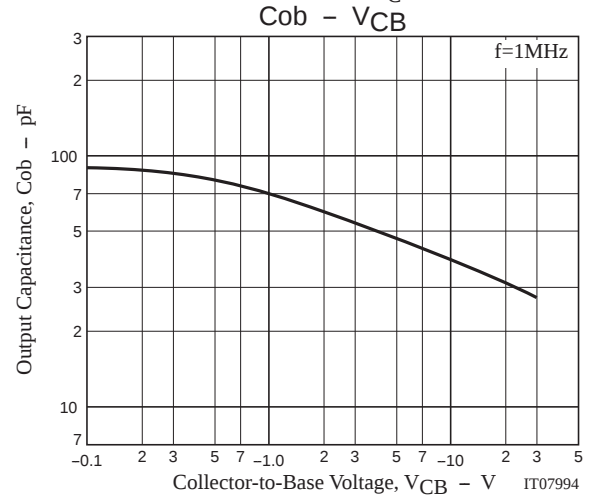
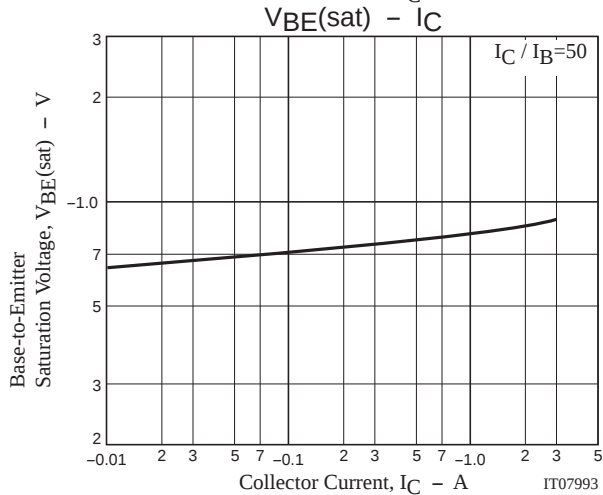
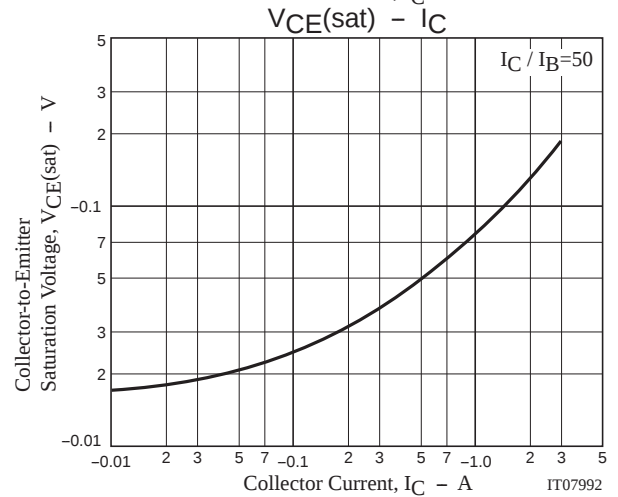
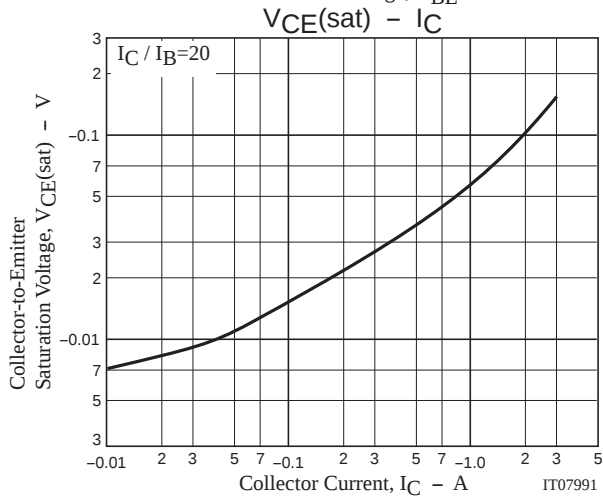
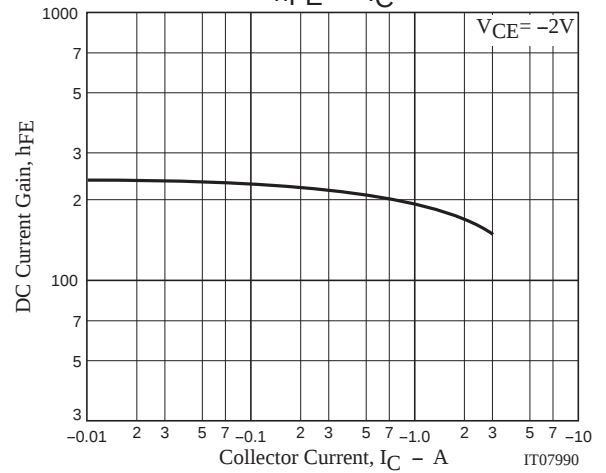
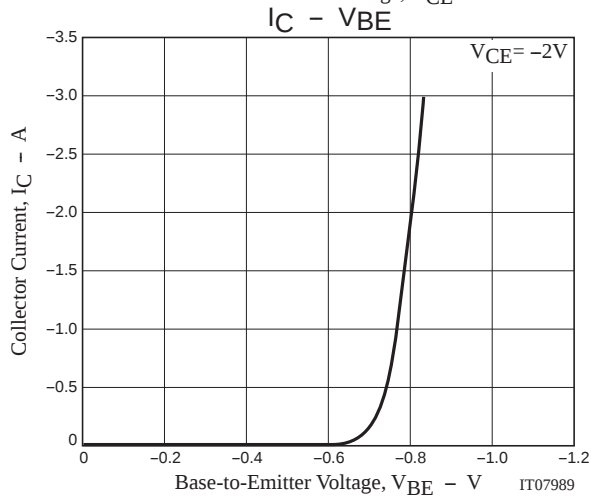
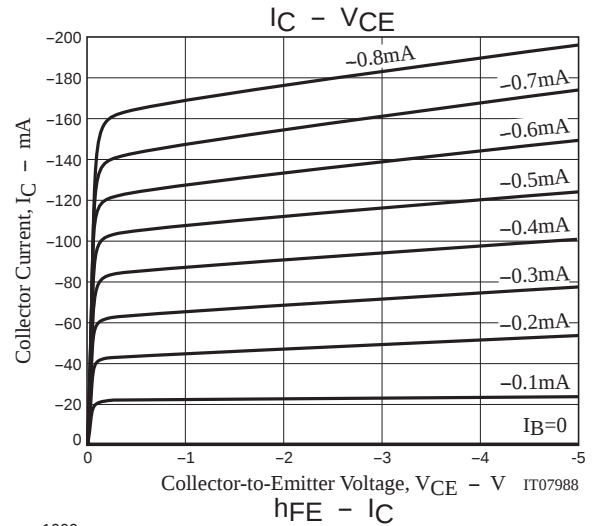
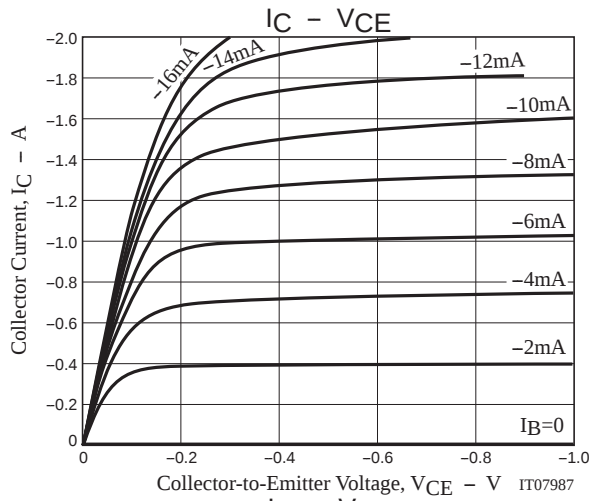
Switching Time Test Circuit

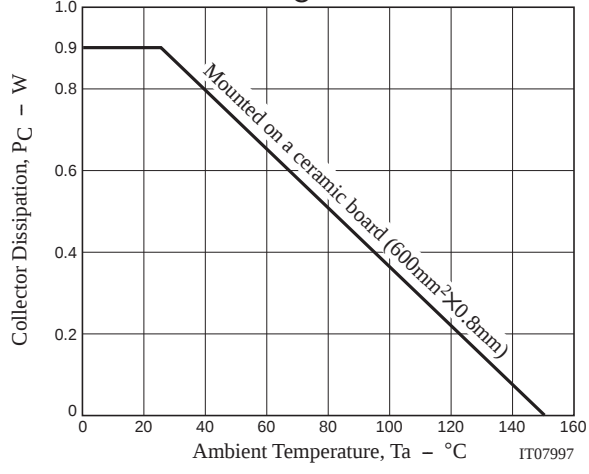
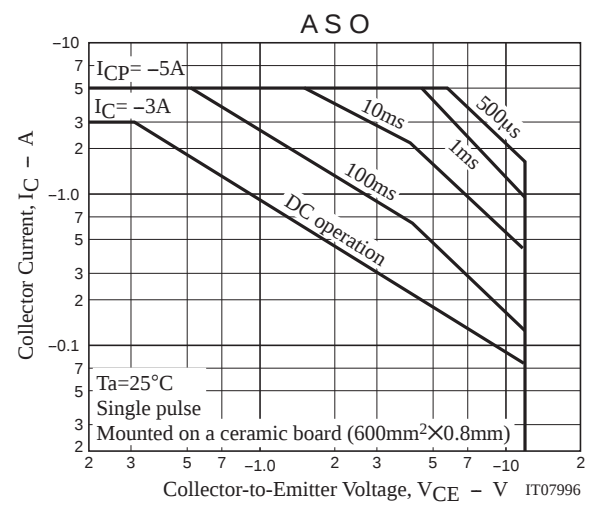
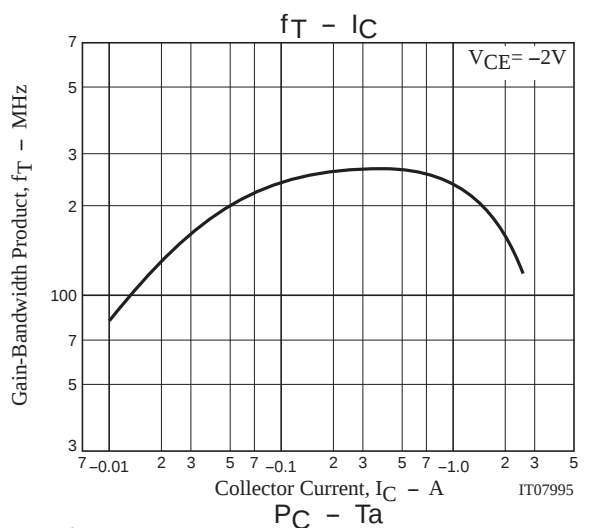


$-20I_{B1}=20I_{B2}=I_C = -1.5A$

Ordering Information

Device	Package	Shipping	memo
CPH3106-TL-E	CPH3	3,000pcs./reel	Pb Free





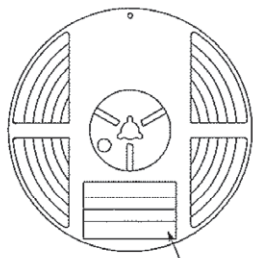
Embossed Taping Specification

CPH3106-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)
CPH3	CPH3	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

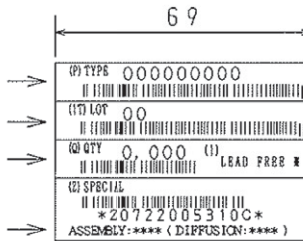
Packing method



Reel label

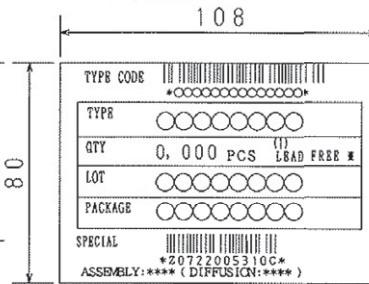
Type No.
LOT No.
Quantity
Origin

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.



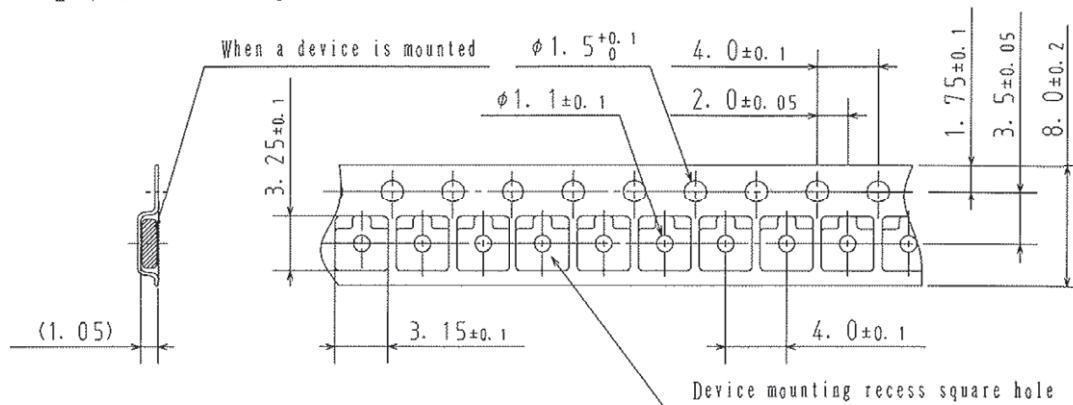
NOTE (1)

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

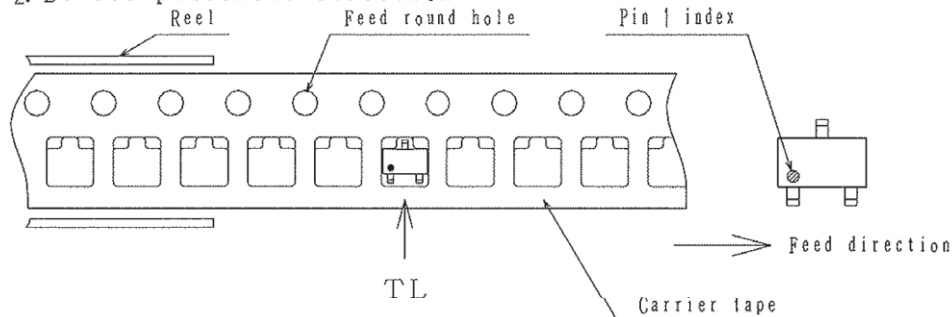
Label	JEITA Phase
LEAD FREE 3	JEITA Phase 3A
LEAD FREE 4	JEITA Phase 3

2. Taping configuration

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

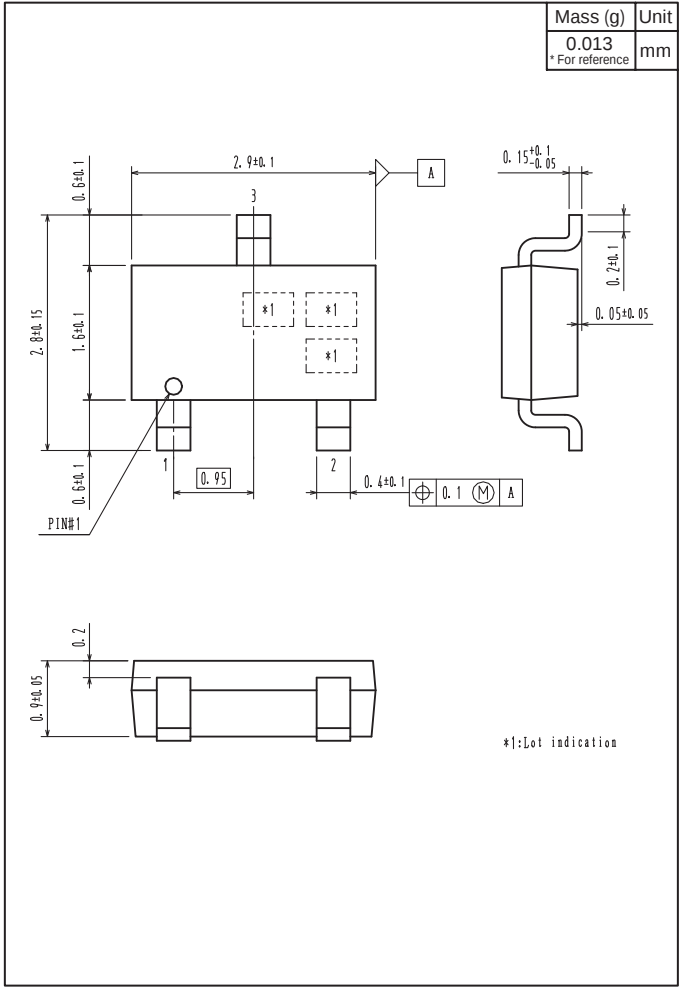


2-2. Device placement direction

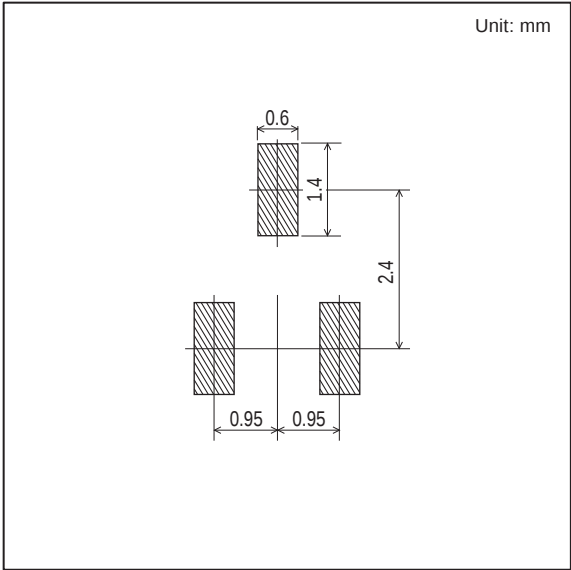


Those with one electrode terminal on the feed hole side.....TL

Outline Drawing
CPH3106-TL-E



Land Pattern Example



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