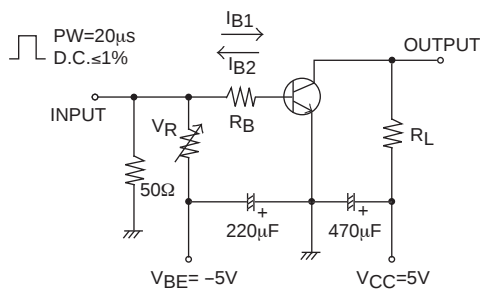


Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector Cutoff Current	ICBO	V _{CB} =15V, 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 =10mA	300		800	
Gain-Bandwidth Product	f _T	V _{CE} =2V, I _C =50mA		330		MHz
Output Capacitance	Cob	V _{CB} =10V, f=1MHz		3.2		pF
Collector-to-Emitter Saturation Voltage	V _{CE(sat)}	I _C =200mA, I _B =10mA		150	300	mV
Base-to-Emitter Saturation Voltage	V _{BE(sat)}	I _C =200mA, I _B =10mA		0.9	1.2	V
Collector-to-Base Breakdown Voltage	V _{(BR)CBO}	I _C =10μA, I _E =0A	20			V
Collector-to-Emitter Breakdown Voltage	V _{(BR)CEO}	I _C =1mA, R _{BE} =∞	15			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}			77		ns
Fall Time	t _f			40		ns

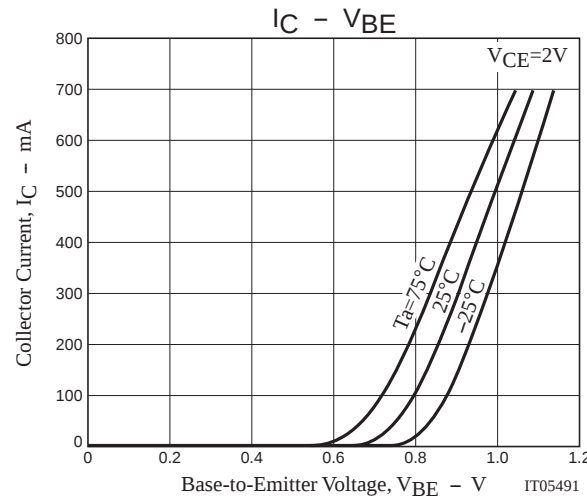
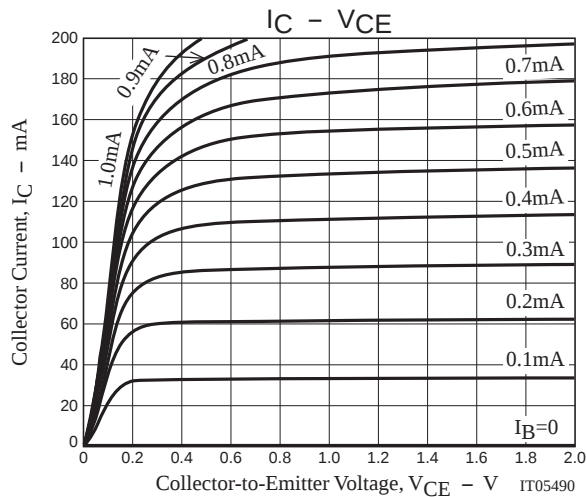
Switching Time Test Circuit

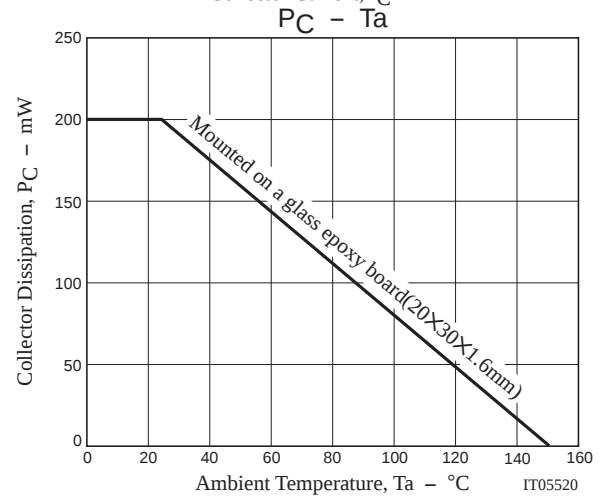
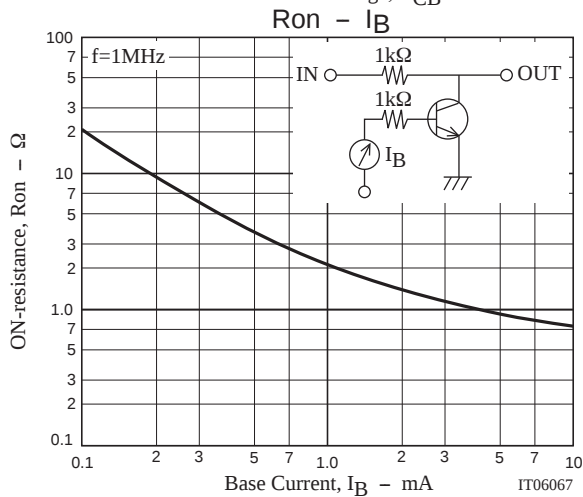
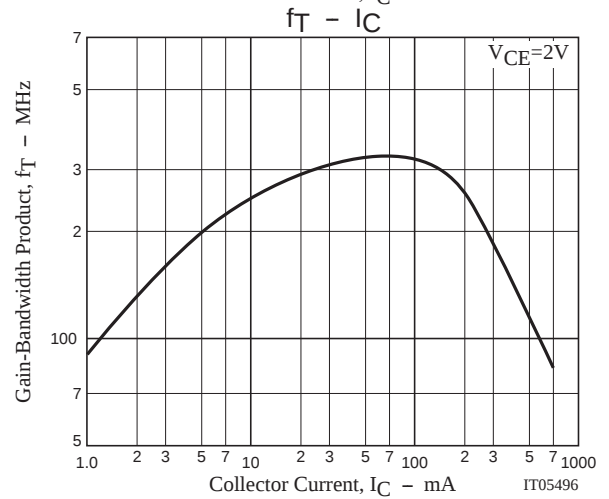
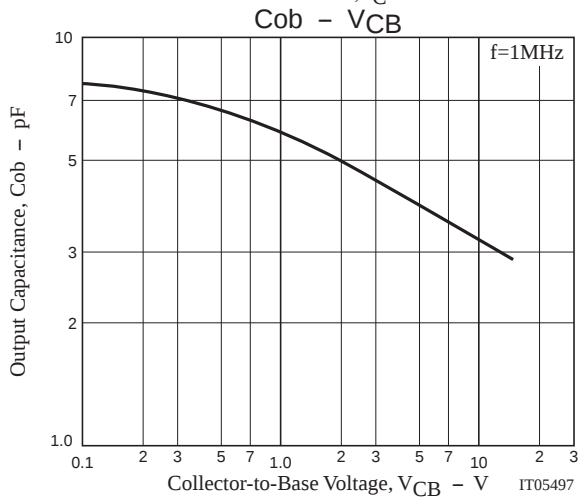
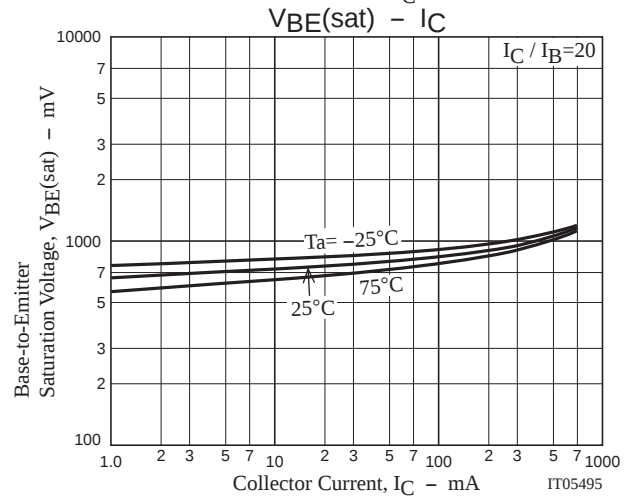
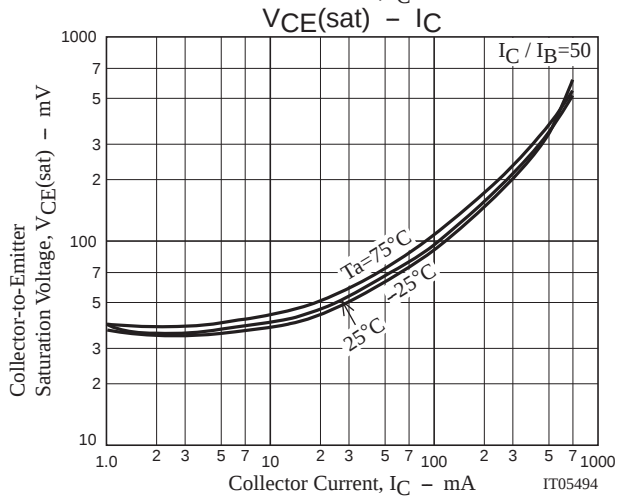
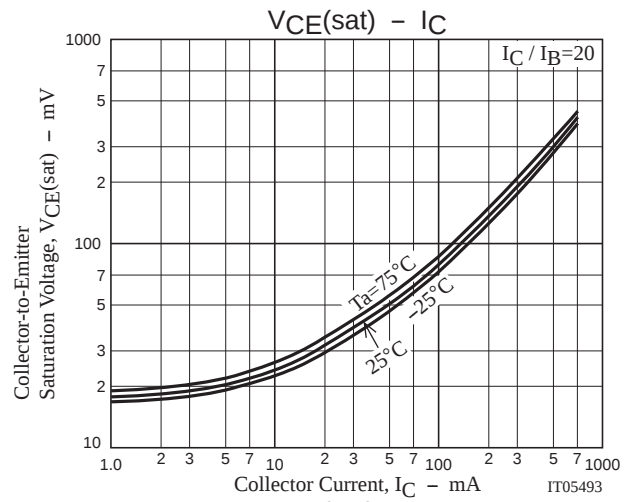
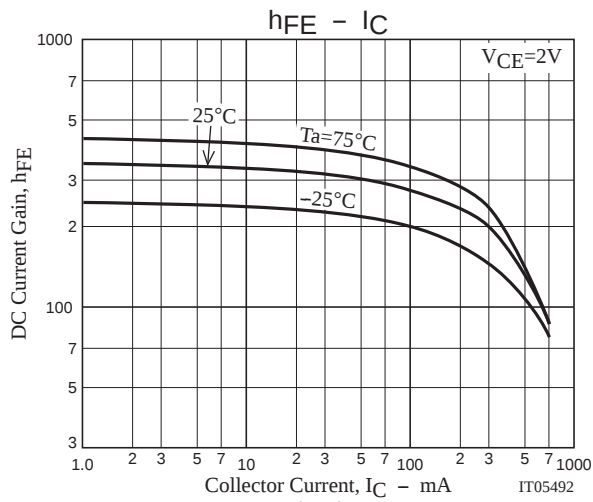


$I_C = 20I_{B1} = -20I_{B2} = 500\text{mA}$

Ordering Information

Device	Package	Shipping	memo
15C01SS-TL-E	SSFP	8,000pcs./reel	Pb Free





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)
SSFP	SSFP	8,000	40,000	240,000	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)

69

(P) TYPE 000000000

(I) LOT 00

(Q) QTY 0,000 (1) LEAD FREE *

(Z) SPECIAL

20722005310C

ASSEMBLY:****(DIFFUSION:****)

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

10E

TYPE CODE

TYPE

QTY 0, 000 PCS (1) LEAD FREE #

LOT

PACKAGE

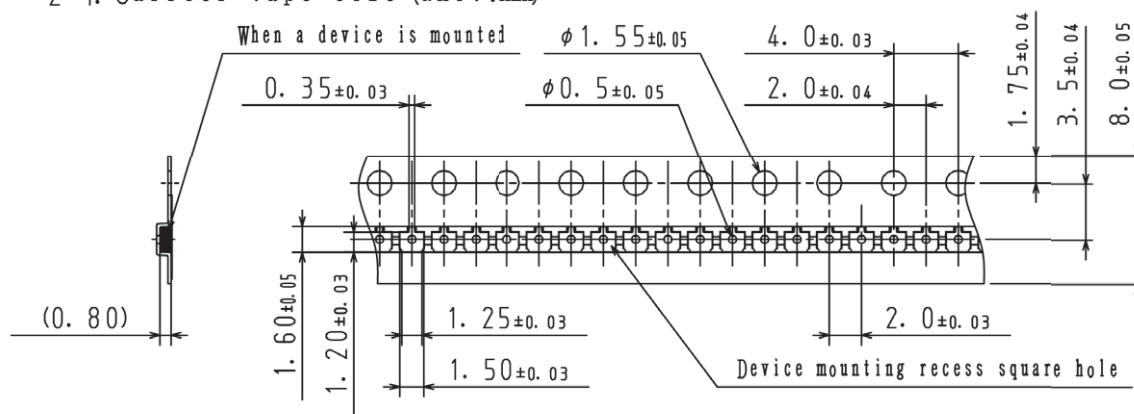
SPECIAL

ASSEMBLY:*** (DIFFUSION:***)

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

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



Reel

Feed round hole

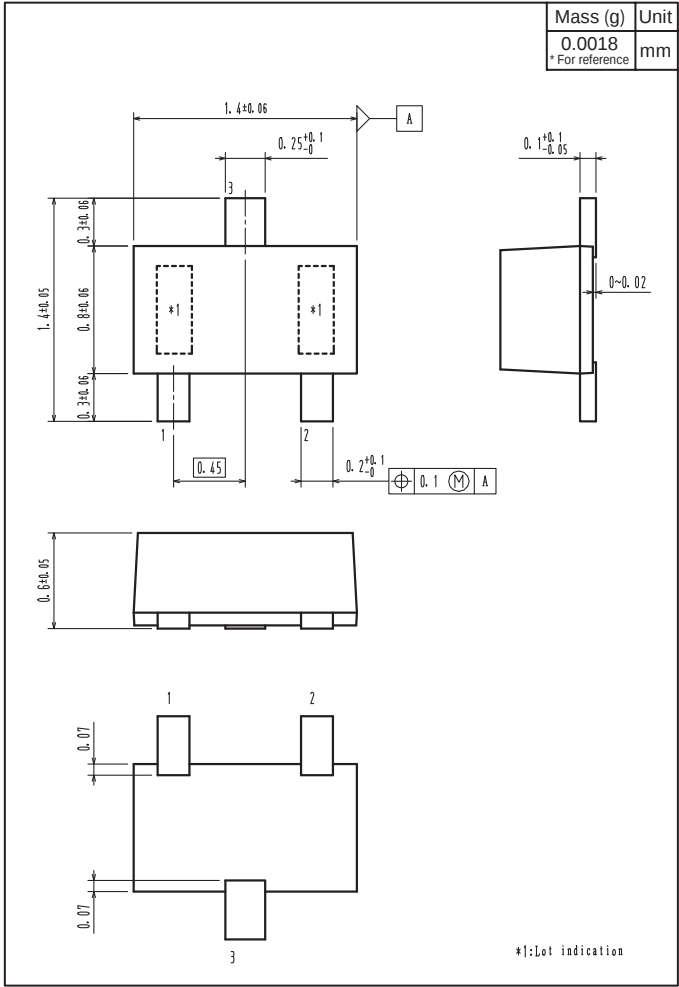
TL

Carrier tape

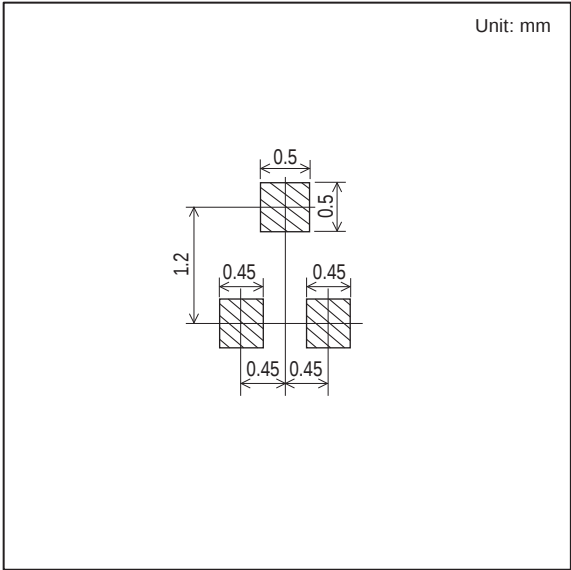
Feed direction

No.7508-4/6

Outline Drawing
15C01SS-TL-E



Land Pattern Example



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