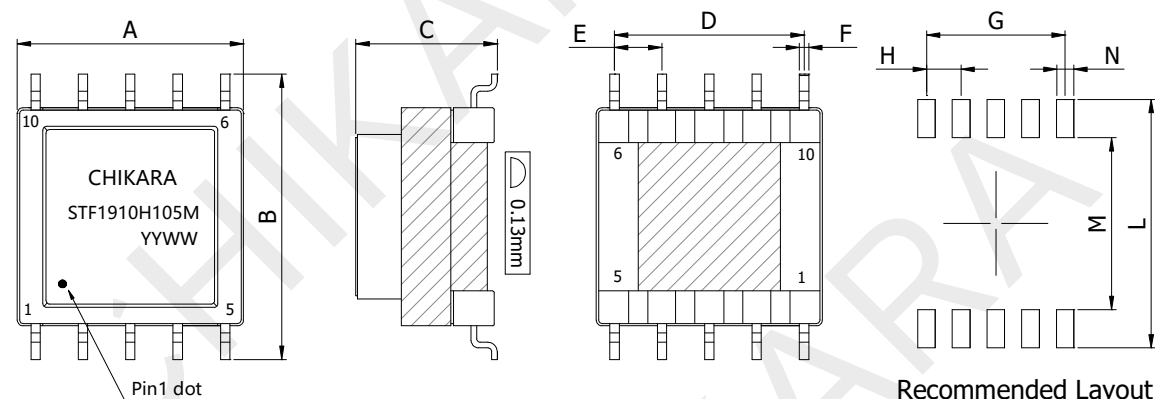


Features

- Small size, Surface mount, Low profile
- Storage temperature range:-25°C to + 60°C
- Operating temperature range:-40°C to + 125°C
(including coil's self-temperature rise)
- Moisture sensitivity level:1
- Packaging: 250pcs. Per 13-inch reel
- RoHs&Halogen-free compliant

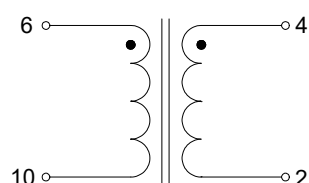


Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G	H	L	M	N
13±1.0	18.5±1.0	10±1.0	10.16±0.5	2.54±0.3	0.6±0.1	10.16	2.54	18.9	13.36	1.22

Electrical Schematic



Marking

CHIKARA-----Brand
STF1910H105M-----Part Number
YYWW-----Date Code

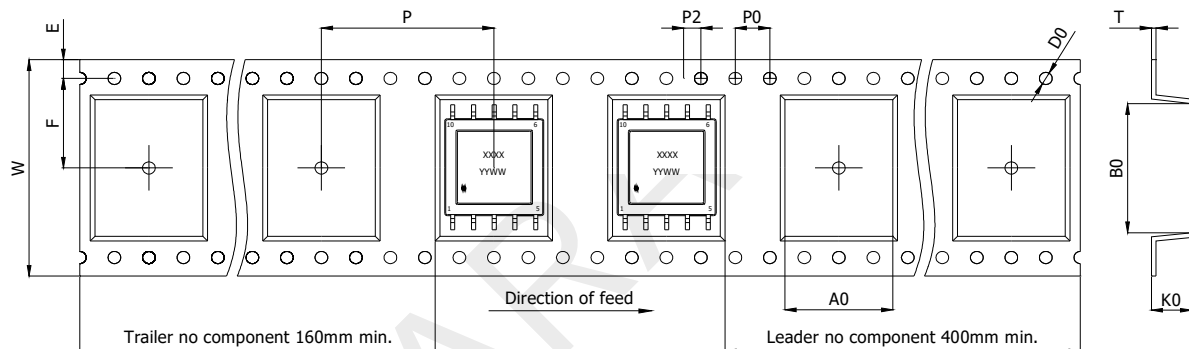
Electrical Characteristic

No.	Item	Terminal	Specification	Test condition	Test instrument
		(Start – Finish)			
1	Inductance	(6-10)=(4-2)	1H±20%	1KHz,0.3V	HP4284A
2	Leakage Inductance	(4-2) at (6-10 shorted)	3.6mH±10%	1KHz,0.3V	HP4284A
3	Turns Ration	(6-10):(4-2)	1:1	20KHz,0.1V	Chroma3302
4	DC Resistance ¹	(6-10)	162Ω±10%	at 25°C	Chroma16502
5	DC Resistance ²	(4-2)	170Ω±10%	at 25°C	Chroma16502
6	Insulation Test Voltage	(6-10) to (4-2) to Core	500VAC	at 25°C	Extech7142

➤ All test data referenced to 25°C ambient.

Packaging Specification

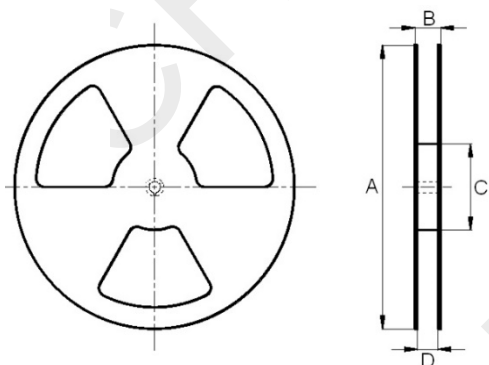
■ Carrier Tape (Unit:mm)



W	P	A0	B0	K0	E	F	P0	P2	D0	T
32±0.5	20±0.1	13.5±0.3	19±0.3	10.5±0.2	1.75±0.1	14.25±0.1	4.0±0.1	2.0±0.1	Φ1.5±0.1	0.5±0.05

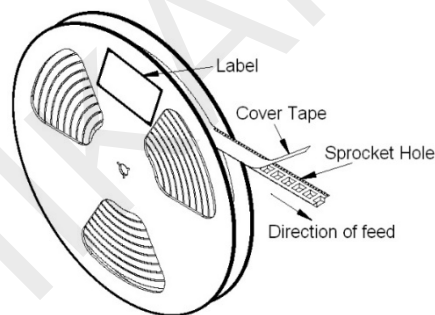
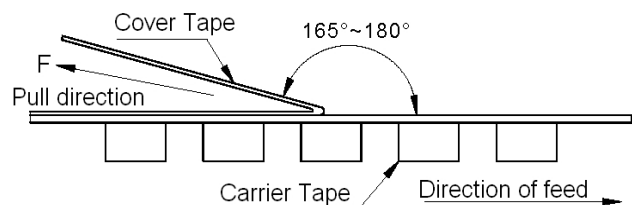
■ Reel (Unit:mm)

A	B	C	D
Φ330±1.0	38.1Max.	Φ100±1.0	33±0.5



■ Taping Method

Peel-off strength	Peel-off angle	Peel-off speed
F=0.1N~1.3N	165°~180°	300mm/min.



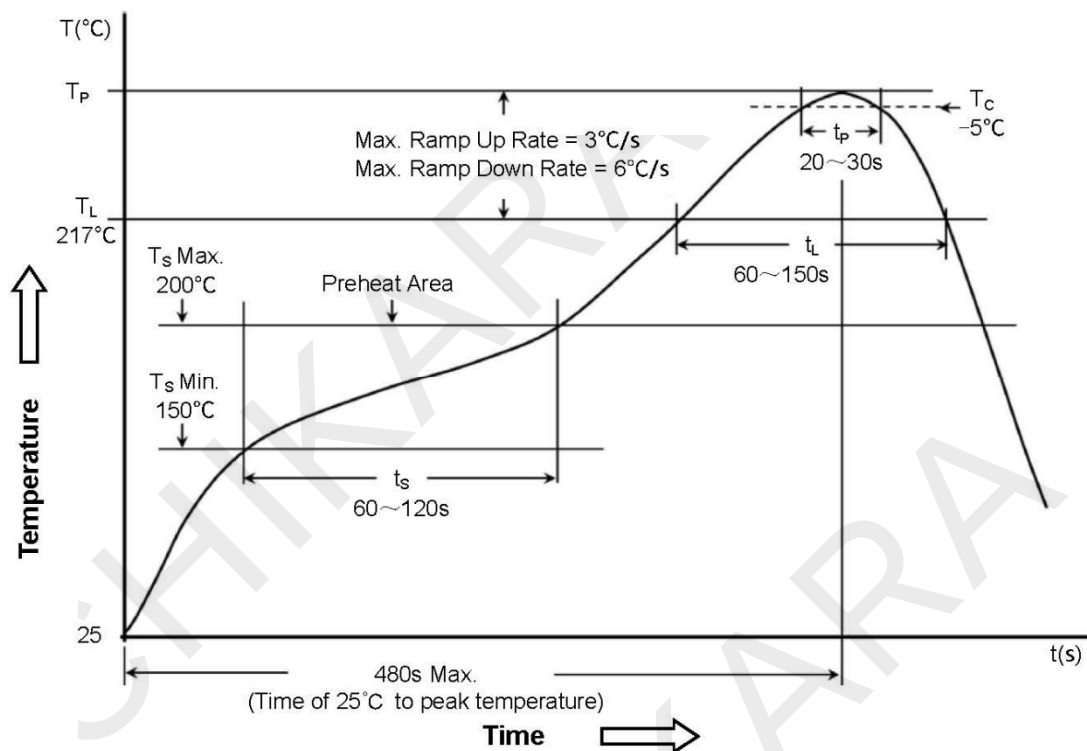
※ The allowable number of empty chip cavities Maximum two (2) chip cavities missing product may exist in a reel but they may not be consecutive two cavities.

■ Package Quantity

Parts per reel
250Pcs

Soldering Specification

- Reflow profile for SMT components



- Classification of peak package body temperature (Tp)

	Package Thickness	Package Volume		
		<350mm ³	350~2000mm ³	>2000mm ³
PB-Free Assembly	<1.6mm	260°C	260°C	260°C
	1.6~2.5mm	260°C	250°C	245°C
	≥2.5mm	250°C	245°C	245°C