

SPECIFICATION FOR APPROVAL

承 認 書

CUSTOMER

客戶名稱：

NUMBER

編號： L036-015

DESCRIPTION

品 名： CDH8B43B – 150M

QUANTITY

數量： 20 PCS

PART NO.

型 號： SMD POWER INDUCTORS

DATE

日期： 2020-05-28

CUSTOMER PART NO.

客戶料號：

NOTE

注解：

APPROVAL SIGNATURE

客戶承認簽章

Approved By 核 准	Checked By 审 查	Drawn By 制 作
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SPECIFICATIONS

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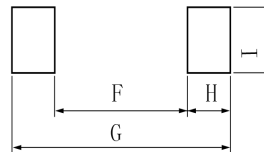
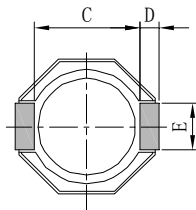
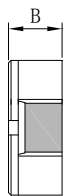
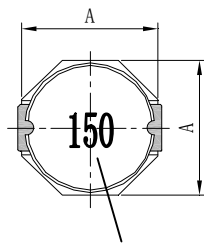
CDH8B43B –150M

1. Scope

This specification apply for CDH8B43B of power inductors

2. Appearance

2-1.Dimensions(mm)



Font size: Width 3.58*High1.9 Song ti

* Dimension without tolerance is approx.

2-2.Recommended Land

A	8.3mm(Max)
B	4.5mm(Max)
C	5.9 mm
D	1.2 mm
E	2.5 mm
F	6.1 mm
G	10.1 mm
H	2.0 mm
I	2.8 mm

3. Coils Specification

3-1. Connection (Bottom View)



“S” is winding start

3-2. Turns and Wire

Terminal	S-F
Turns	13.5Ts
Wire	0.23mm*2P G1 P180

* Winding Turns are approx.

LEAD-FREE

RoHS

Compliance

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3-3. Electronical characteristics

Item	Specifications	Measuring Conditions	Measuring Instrument
Inductance	15 μ H \pm 20% Within	1KHz/0.25V	CH1062
D.C.R	75m Ω Max	25 $^{\circ}$ C	HIOKI 3540
I.D.C※	2. 35A	1KHz/0.25V	CH1062&Chroma1320

※ This indicates the value of current when the inductance is 35% lower than its initial value at D.C superposition or D.C current when temperature rise $\Delta T=40^{\circ}\text{C}$ whichever is lower .($T_a=20^{\circ}\text{C}$)

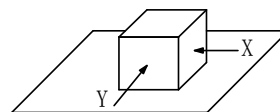
4. General Characteristics

4-1. Storage Temperature range : $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$

4-2. Operating temperature range: $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$ (Including coil's self temperature rise)

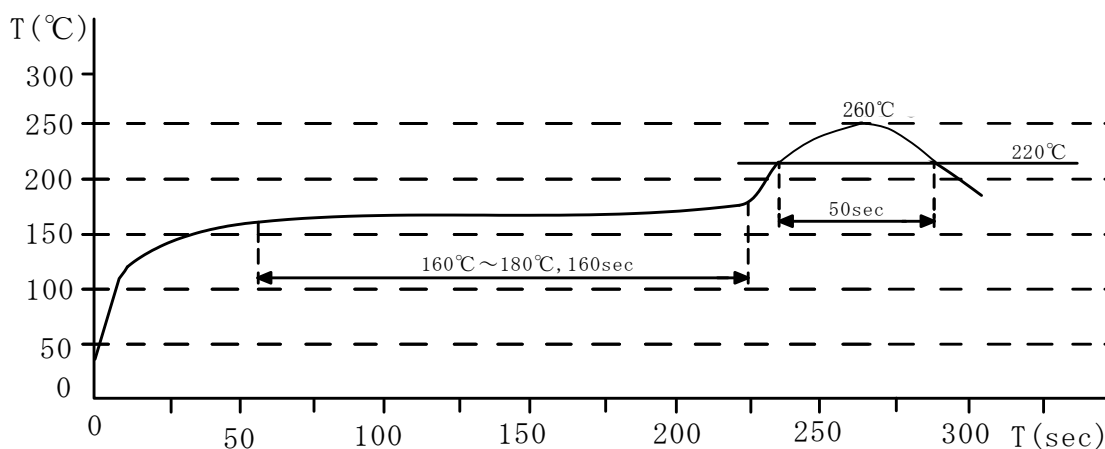
4-3. External appearance : No external defects can be found in the visual inspection.

4-4. Electrode strength : No electrode detachment should be found when the device is pushed in two directions of X and Y with the force of 5.0N for 10 ± 2 seconds after soldering between copper plate and the electrodes.
(Refer to figure at right)



4-5. Vibration test : Inductance deviation is within $\pm 10\%$ after 1 hour sweeping vibration in each three directions, namely, forward and backward, up and down, right and left. The frequency is $10 \sim 55 \sim 10\text{Hz}$ and the amplitude of 1 minute cycle is 1.5mm PP.

4-6. Recommended reflow condition :



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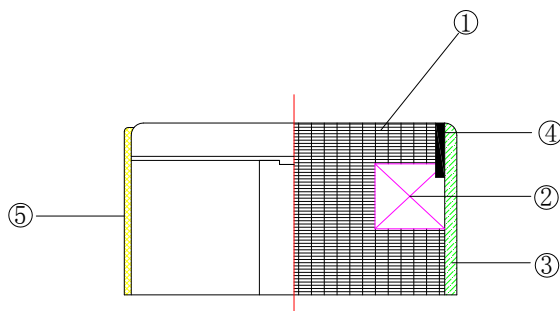
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4-7.Humidity test : Inductance deviation is within $\pm 5.0\%$ after 96 ± 4 hours test under the condition of relative humidity of $90\sim 95\%$ and temperature of $60\pm 2^{\circ}\text{C}$, and 1 hour storage under room ambient conditions after the device is wiped with dry cloth.

5. Construction and materials



No.	Part name	Material	Ceaiya P/N
①	Drum Core	Ni-Zn Ferrite Core	YX
②	Wire	Polyurethane enameled copper wire	9310230
③	Ring Core	Ni-Zn Ferrite Core	YX
④	Adhesive	Epoxy Resin	7001007(002)
⑤	Electrode	Cu + Sn plating	6001011 (LC)

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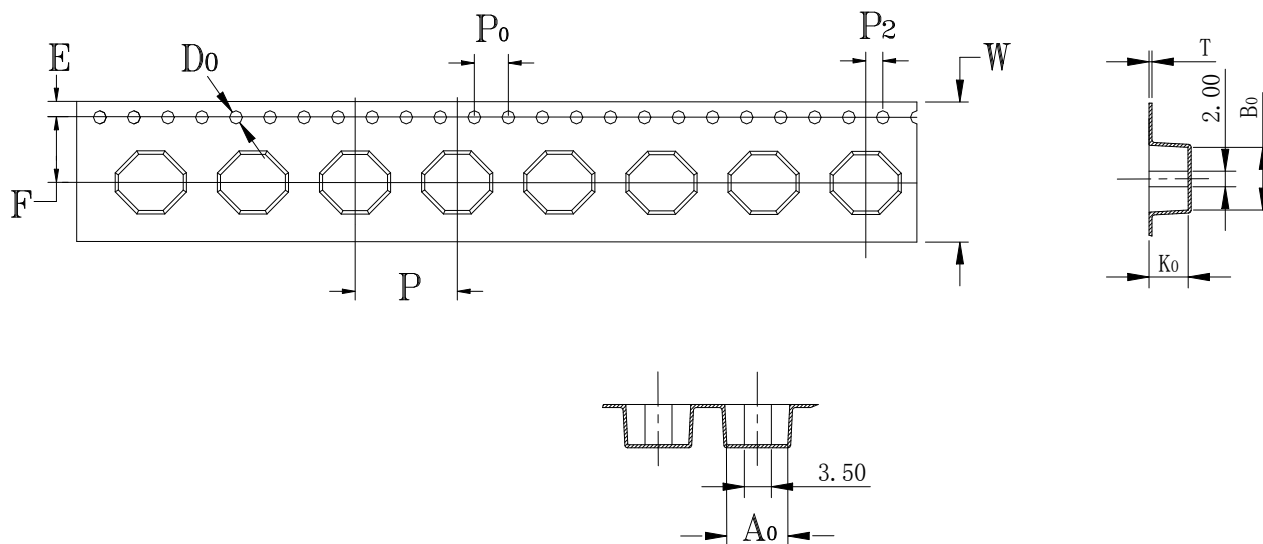
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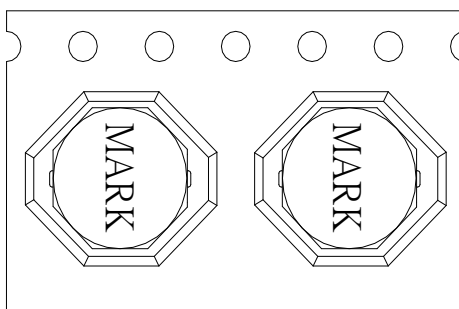
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6. TAPE DIMENSIONS:



ITEM	W	A ₀	B ₀	K ₀	T	P	F	E	D ₀	D ₁	P ₀	P ₂
DIM	16.00 ^{+0.30} _{-0.30}	9.90 ^{+0.10} _{-0.10}	8.30 ^{+0.10} _{-0.10}	4.50 ^{+0.10} _{-0.10}	0.35 ^{+0.05} _{-0.05}	16.00 ^{+0.10} _{-0.10}	7.50 ^{+0.10} _{-0.10}	1.75 ^{+0.10} _{-0.10}	1.50 ^{+0.10} _{-0.00}		4.00 ^{+0.10} _{-0.10}	2.00 ^{+0.10} _{-0.10}
ALTERNATE												



Note :

Spec. No.

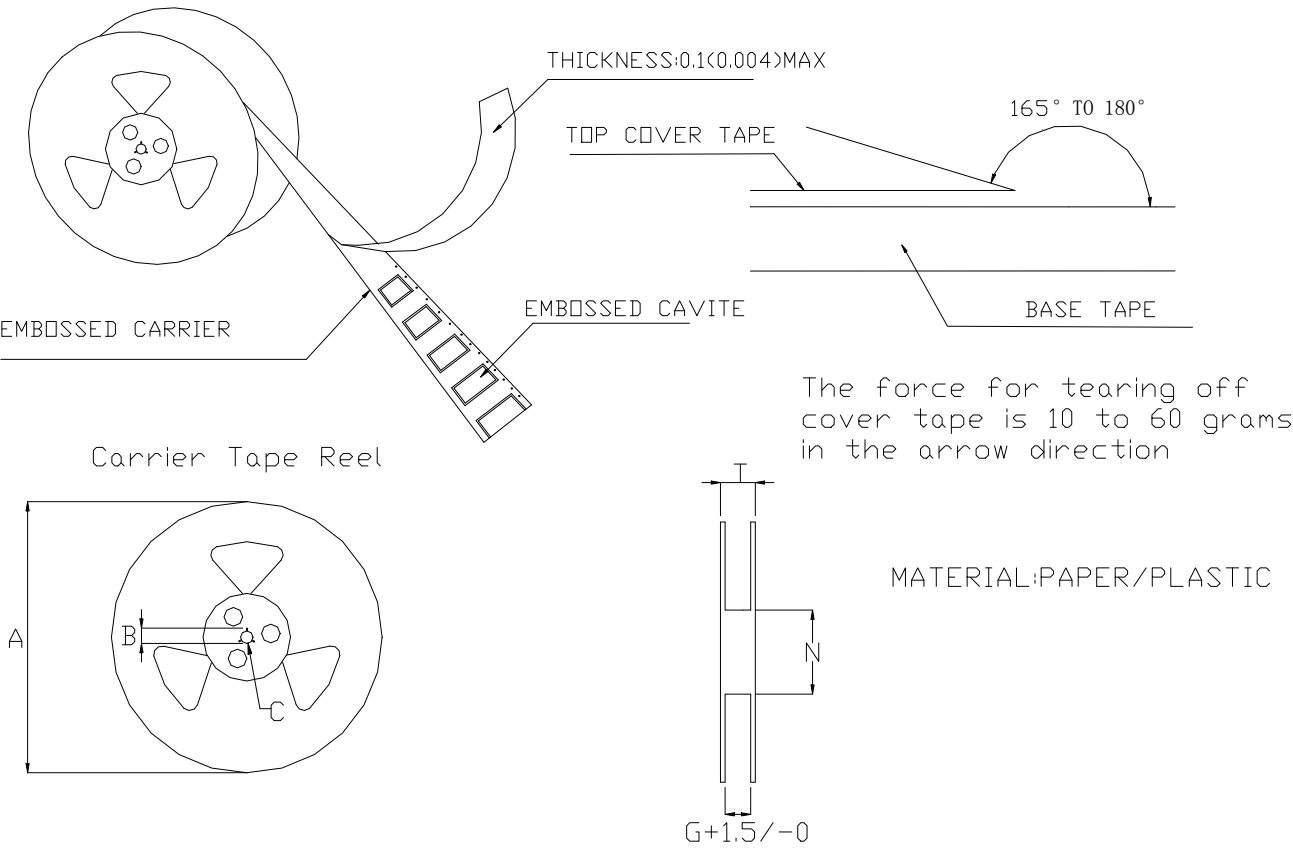
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7. TAPE REEL DIMENSIONS:



单位：毫米

Type	A	B	C	G	N	T
16mm	330	21±0.8	13±0.4	16.4	100	20.4

PACKAGING QUANTITY :
800 PCS /REEL

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