

Specification Sheet for Approved

Customer Name:	
Customer Part No.:	
Ceaiya Part No:	CPQ2620H-100M
Spec No:	L2620-01

【For Customer Approval Only】

If you Approval, Please Stamp

【RoHS Compliant Parts】

Approved By	Checked By	Prepared By
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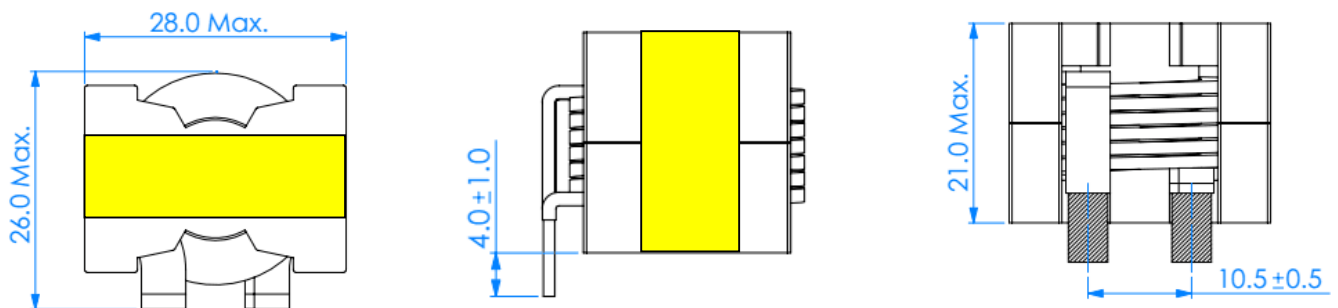
【Version of Changed Record】				
Rev.	Effective Date	Changed Contents	Change Reasons	Approved By
A0	2017.12.1	New release	/	Li qing hui

■CPQ2620H

Description

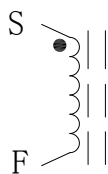
- Ferrite core construction.
- Magnetically shield.
- L×W×H: 28.0×26.0×21.0mm Max.
- Operating temperature range: -40°C~125°C
- Storage temperature range: -40°C~125°C

1. Dimension--[mm]



2. Coils Specification

2-1. Connection (Bottom View)



“S” is winding start

3. Electrical Characteristics :

Part Number	Inductance (uH)	DCR (mΩ).		DC Saturation Current A Max.	Temperature Rise Current (A) Max.
		Max	Typ		
CPQ2620H-100M	10±20%	1.8	1.4	40	40

The inductance testing Frequency: 100KHz/0.1V ;
The DCR testing on the HIKOI 3540

High Current DIP Power Inductor

4. General Characteristics

4-1.STORAGE TEMPERATURE RANGE : $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$

4-2.OPERATING TEMPERATURE RANGE : $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$ (INCLUDING SELF TEMPERATURE RISE)

4-3.EXTERNAL APPEARANCE: NO EXTERNAL DEFECTS CAN BE FOUND IN THE VISUAL INSPECTION.

4-4.TERMINAL STRENGTH : NO DISTINGUISHED TERMINAL PEELING OFF OR WIRE BROKEN SHOULD BE FOUND AFTER EACH OF THE TERMINAL IS APPLIED WITH STATIC PULLING FORCE OF 8N FOR 60 ± 5 SECONDS.

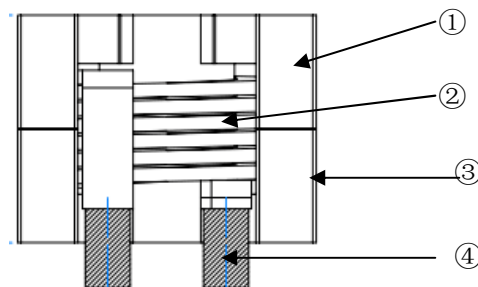
4-5.HEAT RESISTANCE : NO DISTINGUISHED STRUCTURE AND ELECTRIC DEFECTS SHOULD BEFOUND AFTER $1.5\pm 0.5\text{mm}$ HIGH BOTTOM OF ALL THE TERMINALS ARE IMMERSDD IN THE MELTED SOLDER OF $270\pm 5^{\circ}\text{C}$ FOR 5 ± 1 SECONDS.

4-6.INSULATING RESISTANCE: THE INSULATION RESISTANCE SHOULD BE OVER $100\text{M}\Omega$ WHEN D.C. 100V IS APPLIED TO THE COIL-OTHER PARTS, MEANWHILE NO RUCTURE AND ELECTRIC DEFECTS SHOULD BE FOUND IN 1 MINUTE.

4-7.VIBRATION TEST: INDUCTANCE DEVIATION IS WITHIN $\pm 1.0\%$ 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.

4-8.HUMIDITY TEST : INDUCTANCE DEVIATION IS WITHIN $\pm 2.0\%$ AND NO STRUCTURE AND ELECTRIC DEFECTS CAN BE FOUND AFTER 96 ± 4 HOURS TEST UNDER THE CONDITION OF RELATIVE HUMIDITY OF $90\sim 95\%$ AND TEMPERATURE OF $40\pm 2^{\circ}\text{C}$, AND 1 HOUR STORAGE UNDER ROOM AMBIENT CONDITIONS.

5. Construction and materials



No.	Part name	Material
①	Drum Core	Mn-Zn Ferrite Core
②	Wire	Polyurethane enameled copper wire
③	Tape	Mylar tape
④	Outer Electrodes	Top surface solder coating Sn99%、Ag0.3%、Cu0.7%