# **Specification Sheet for Approved**

Customer Name:	
Customer Part No.:	
Ceaiya Part No:	CCM3416F2-600T
Spec No:	Y-22050601

## **[**For Customer Approval Only **]**

If you Approval, Please Stamp

## **[**RoHS Compliant Parts ]

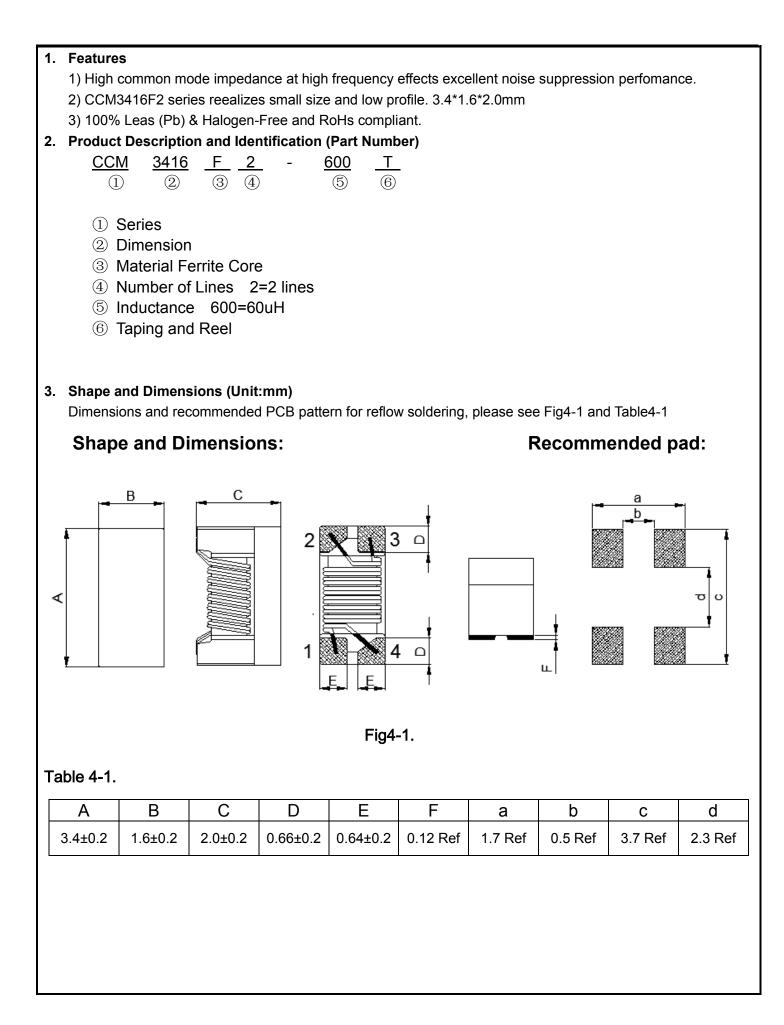
Approved By	Checked By	Prepared By
李庆辉	刘志坚	劳水苑

# Shenzhen Ceaiya Electronics Co., Ltd.

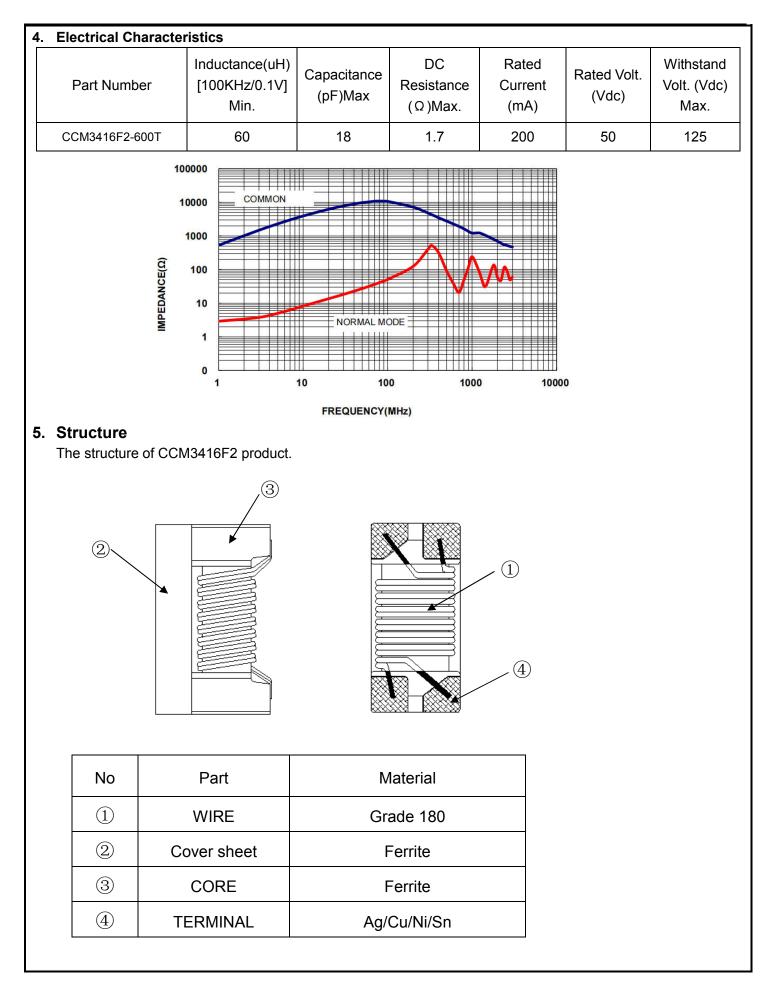
地址 1: 深圳市龙华区观湖街道鹭湖社区观盛二路 5 号捷顺科技中心 B706 地址 2: 广东省东莞清溪镇青滨东路 105 号力合紫荆智能制造中心 10 栋

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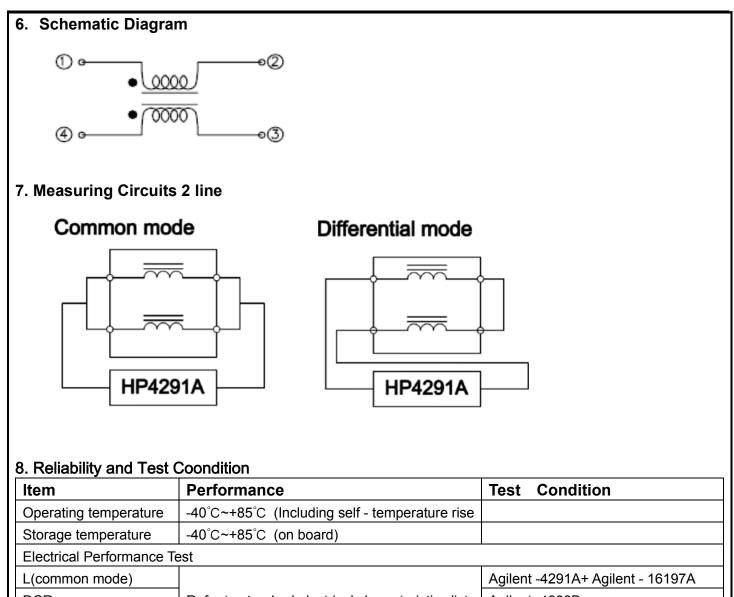
Rev.	Effective Date	Changed Contents	Change Reasons	Approved By		
A0	2022-05-05	New release	1	Li qing hui		







(eaiya



L(common mode)			Agilent -4291A+ Agilent - 16197A	
DCR	Refer to standard electrical characteristics list.		. Agilent -4338B	
I.R.			Agilent 4339	
Temperature Rise Test	Rated Current < 1A △T 20°C Max.		1. Applied the allowed DC current.	
	Rated Current ≥ 1A △T 40°C Max.	ted Current $\ge$ 1A $\triangle$ T 40°C Max.		
			surface thermometer.	
Reliability Test				
	Appearance: No damage.	Preeconditioning: Run through IR reflow		
	Inductance: within ±10% of initial value	for 2 times.		
	RDC: within ±15% of initial value and	d (IPC/JEDECJ-STD-020D Classiificatio		
	shall not exceed the specification value	Reflow Profiles)		
Life Test		Temperature: 85±2°C		
		Applied current: rated current		
		Duration: 1000±12hrs		
		Meas	sured at room temperature after	
		placing for 24±2hrs		



Item	Performance	Test Condition				
Load Humidity	renormance	Preeconditioning: Run through IR reflow for 2 times. (IPC/JEDECJ-STD-020D Classification Reflow Profiles) Humidity: 85±2°C R.H. Duration: 1000hrs Min. with 100% rated current.				
Thermal shock	Appearance: No damage. Inductance: within ±10% of initial value RDC: within ±15% of initial value and shall not exceed the specification value	Measured at room temperature after placing for 24±2hrs     Preconditioning: Run through IR reflow for 2times.     (IPC/JEDECJ-STD-020D Classiification Reflow Profiles)     Step1: -40±2°C 30±5min     Step2: 25±2°C ≤0.5min     Step2: 85±2°C 30±5min     Number of cycles: 500     Measured at room temperature after placing for 24±2°Chrs     Oscillation Frequency: 10~2K~10Hz for 20 minutes     Equipment: Vibration checker     Total Amplitude: 1.52mm ±10%     Testing Time: 12 hours (20 minutes, 12 cycles each of 3				
Shock	Appearance: No damage. Inductance: within ±10% of initial value RDC: within ±15% of initial value and shall not exceed the specification value	oorientations).				
Solder ability	More than 95% of the terminal electrode should be covered with solder	Preheat: 150°C, 60sec. Solder: Sn99%, Ag0.3%,Cu0.7% Temperature: 245±5°C Flux for lead free: Rosin. 9.5% Dip time: 4 ± 1sec. Depth: completely cover the termination				
Resistance to Sodering Heat		Depth: completely cover the terminationTemperature (°C)Time(s)Temperature ramp/immersion and emersion rateNumber of heat cycles260 ±5 (solder temp)10±125mm/s ± 6mm/s1				
Terminal Strength	Appearance: No damage. Inductance: within ±10% of initial value RDC: within ±15% of initial value and shall not exceed the specification value	Preconditioning: Run through IR reflow for 2 times. (IPC/JEDECJ-STD-020D Classiification Reflow Profiles) With the component mounted on a PCB with the device to be tested, apply a force(>0805: 1kg, <=0805:0.5kg) to the side of a device being tested. This force shall be applied for 60+1 a shock to the component being tested.				



# 9. Soldering and Mounting 9-1 Soldering Mildly activated rosin fluxes are preferred. terminations and

Mildly activated rosin fluxes are preferred. terminations are suitable for all wave and re-flow soldering systms.

If hand soldering cannot be avoided, the preferred technique is the utilization of hot aiir soldering tools.

### 9-1.1 Solder re-flow:

Reecommended temperature profiles for re-flow soldering in Figure 1.

### 9-1.2 Soldering Iron (Figure 2):

Products attachment with a soldering iron is discouraged due to the inherent process control limitations. In the event that a soldering iron must be employed the following precautions are recommended.

Preheat circuit and products to 150°CNever contact the ceramic with the iron tipUse a 20 watt soldering iron with tip diameter of 1.0mm355°C tip temperature (max)1.0mm tip diameter (max)Limit soldering time to 4~5 sec.

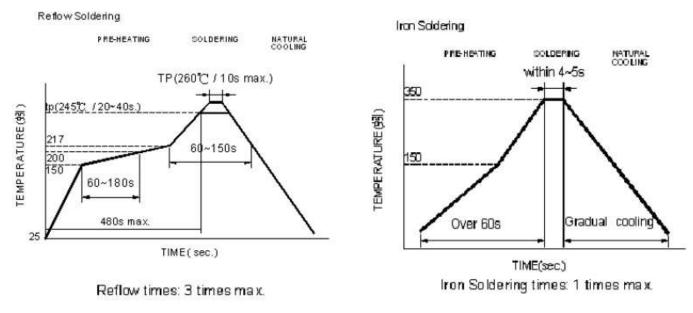
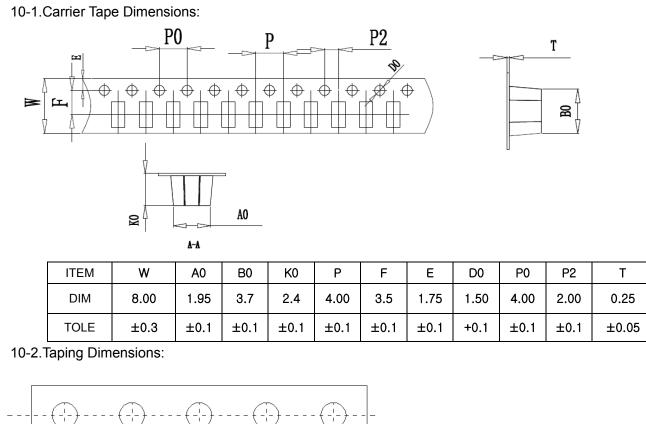
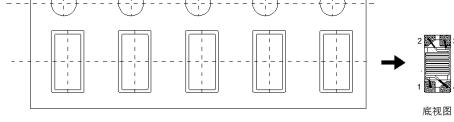


Fig.1

Fig.2

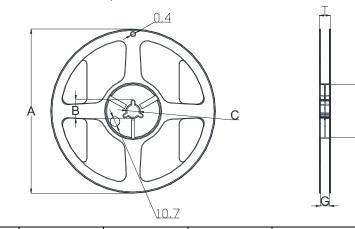
## 10.Packaging and Marking:





#### 10-3.Reel Dimensions:

Carrier Tape Reel



Туре	А	В	С	G	Ν	Т
8mm	178	20.7±0.8	13±0.4	9	60	10.8

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10-4. Packaging Quantity:

2KPCS/ Reel

