

1. PART NO. EXPRESSION :

C C M 0 5 0 2 1 0 0 N F G
(a) (b) (c) (d) (e)

(a) Series code

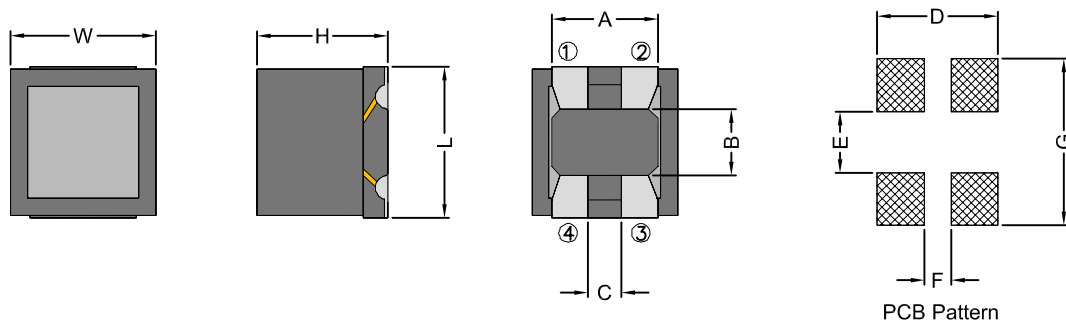
(b) Dimension code

(c) Impedance code : 100 = 10Ω

(d) Tolerance code : N = min.

(e) RoHS Compliant

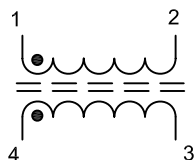
2. CONFIGURATION & DIMENSIONS :



Unit : mm

A	B	C	D	E	F	G	H	L	W
3.5 Typ.	2.2 Typ.	1.1 Typ.	4.0 Ref.	2.0 Ref.	0.9 Ref.	5.5Ref.	2.5 Max.	5.0±0.3	4.8±0.3

3. SCHEMATIC :



4. GENERAL SPECIFICATION :

- a) Ambient Temp. : 25±15°C
- b) Storage temp. : -40°C to +125°C
- c) Operating temp. : -40°C to +125°C
- d) Storage Life Time : 12 Month @25°C , RH 65%
- e) Relative Humidity : 65+/-20%



RoHS Compliant

NOTE : Specifications subject to change without notice. Please check our website for latest information.

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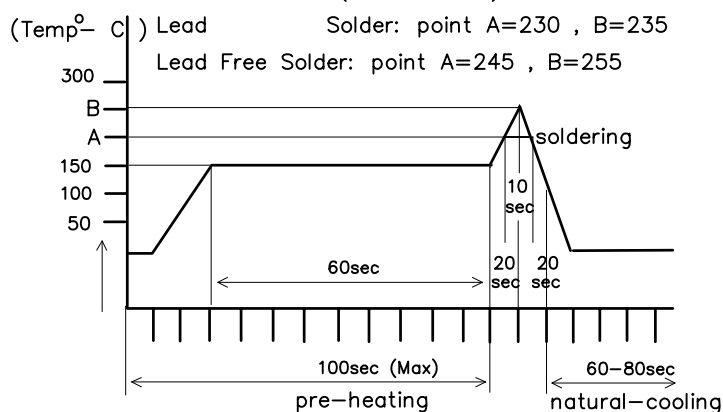
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5. ELECTRICAL CHARACTERISTICS :

P/N	Impedance (Ω) @10MHz Min.	Impedance (Ω) @100MHz Typ.	DCR (Ω) $\pm 40\%$	Rated Voltage V [DC]	Withstanding Voltage V [DC]	Rated Current [A]	Insulation Resistance (M Ohm) Min.
CCM0502100NFG	10	100	0.009	50	125	6.0	10.0
CCM0502200NFG	20	250	0.014	50	125	5.0	10.0
CCM0502300NFG	30	500	0.019	50	125	4.0	10.0
CCM0502600NFG	60	1000	0.024	50	125	2.0	10.0
CCM0502101NFG	100	1400	0.040	50	125	1.5	10.0

Recommend Reflow Curve (TIME: Second)



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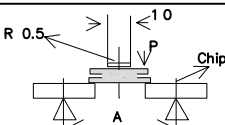
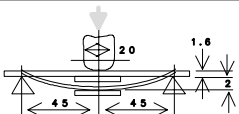
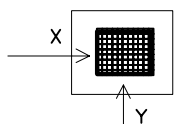
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6. RELIABILITY AND TEST CONDITION :

NO	ITEM	TEST CONDITIONS																
1	Dimension	Actual Size																
2	Thermal Shock (Temperature Cycle)	Temperature : -40 °C/ +125 °C kept stabilized for 30 minutes each Cycle: 100 Cycles(power off)																
3	Humidity Resistance	Humidity: 90%~ 95% RH Temperature: 40±2°C Test Time: 120± 2 Hours																
4	HighTemperature	Temperature: 125±±2°C Humidity: 20% Testing Time: 120± 2 Hours																
5	Low Temperature	Temperature: 40±2°C Time: 120± 2 Hours																
6	Temperature and Humidity Cycle	<table><tr><th>Step</th><th>Temp</th><th>Humidity</th><th>Time</th></tr><tr><td>1</td><td>25±2°C</td><td>95~100%RH</td><td>3.0Hr</td></tr><tr><td>2</td><td>55±2°C</td><td>95~96%RH</td><td>9.5Hr</td></tr><tr><td>3</td><td>25±2°C</td><td>95~100%RH</td><td>9.5Hr</td></tr></table>	Step	Temp	Humidity	Time	1	25±2°C	95~100%RH	3.0Hr	2	55±2°C	95~96%RH	9.5Hr	3	25±2°C	95~100%RH	9.5Hr
Step	Temp	Humidity	Time															
1	25±2°C	95~100%RH	3.0Hr															
2	55±2°C	95~96%RH	9.5Hr															
3	25±2°C	95~100%RH	9.5Hr															
7	Vibration	Frequency: 10Hz~55Hz Amplitude: 1.5mm Direction: X,Y,Z Time: 2 Hours each																
8	Dipping Verification	Temp Control Solder @ Temp 230± 5°C / 3 Sec																
9	IR Reflow Soldering	Go through real SMT IR-Reflow Solder Temp.: 230±5°C Time : 90 Sec. Cycles: x 1																
10	Soldering Heat Resistance	Preheat:120 ~ 150°C (6 sec) Solder:H63A(eutectic solder) Solder Temp.: 260 ± 5°C Flux: Rosin Dip time: 10± 1 seconds																
11	Bending Strength																	
12	Flexure Strength																	
13	Terminal Strength																	
14	High-Voltage	100 V DC between core & winding																
15	ORT:on going reliability test	Elec loading & spec test base on Spec for approval																



RoHS Compliant

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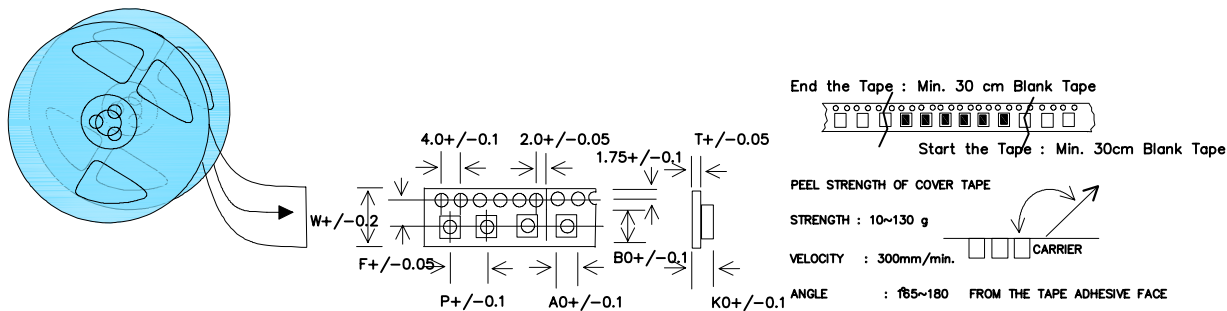


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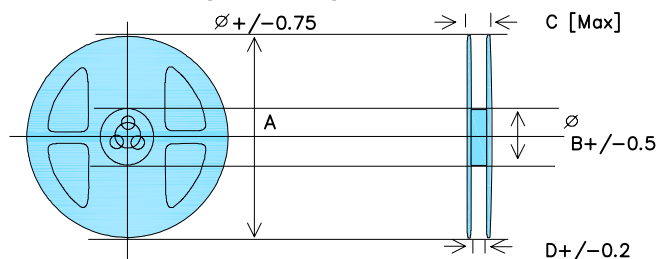
7. PACKAGING INFORMATION :

TAPE DIMENSION: mm



SEIZE/mm	W	P	A0	B0	K0	T	F
CCM0502	12.00	8.00	5.40	5.40	2.60	0.35	5.50

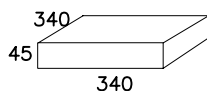
Reel Dimensions: mm [13"=Dark Blue]



SEIZE/mm	A	B	C	D	REEL SIZE	QTY/REEL
CCM0502	330	100	16.9	12.5	13"	2.5K

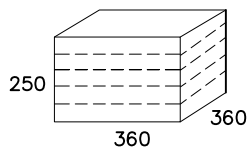
BOX Package: Unit: mm

2 Reel in



Inner Small Box

5 Inner Small Box in



Outer Large Box



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Storage

- a) Recommended products should be used within 6 months from the time of delivery.
- b) The packaging material should be kept where no chlorine or sulfur exists in the air.

Transportation :

- a) Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- b) The use of tweezers or vacuum pick up is strongly recommended for individual components.
- c) Bulk handling should ensure that abrasion and mechanical shock are minimized.



RoHS Compliant

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18.09.2015



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