

1. PART NO. EXPRESSION :

C C M 0 5 0 4 2 0 0 N F G
(a) (b) (c) (d) (e)

(a) Series code

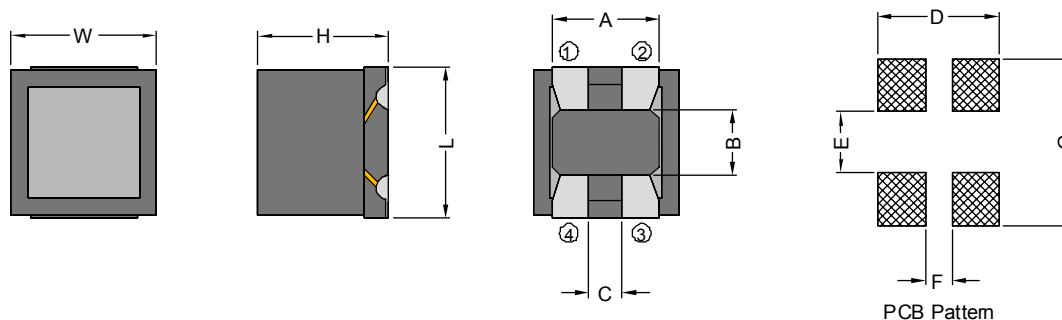
(b) Dimension code

(c) Impedance code : 200 = 20Ω

(d) Tolerance code : N = min.

(e) RoHS Compliant

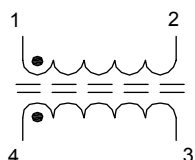
2. CONFIGURATION & DIMENSIONS :



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.	4.8 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.

24.09.2014

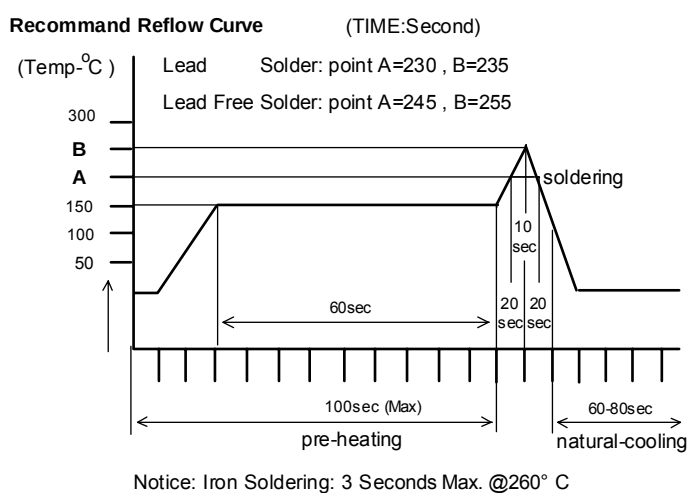


SUPERWORLD ELECTRONICS (S) PTE LTD

PG. 1

5. ELECTRICAL CHARACTERISTICS :

P/N	Impedance (Ω) @ 10MHz Min.	Impedance (Ω) @ 100MHz Typ.	DCR (Ω) ± 40%	Rated Voltage V [DC]	Withstanding Voltage V [DC]	Rated Current [A]	Insulation Resistance (M Ohm) Min.
CCM0504200NFG	20	250	0.014	50	125	5.0	10.0
CCM0504600NSFG	60	1000	0.016	50	125	4.5	10.0



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



RoHS Compliant

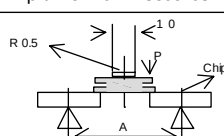
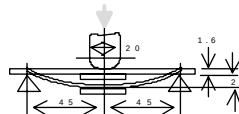
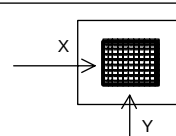
24.09.2014



SUPERWORLD ELECTRONICS (S) PTE LTD

PG. 2

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

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

24.09.2014

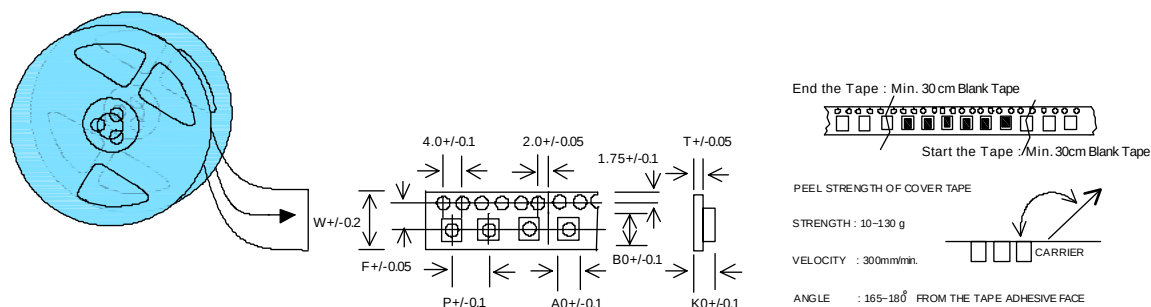


SUPERWORLD ELECTRONICS (S) PTE LTD

PG. 3

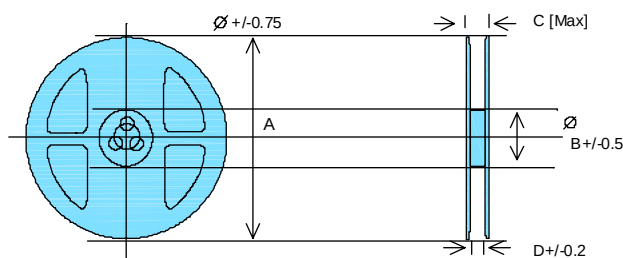
7. PACKAGING INFORMATION :

TAPE DIMENSION: mm



SEIZE/mm	W	P	A0	B0	K0	T	F
CCM0504	12.00	8.00	5.40	5.40	4.90	0.35	5.50

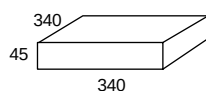
Reel Dimensions: mm [13"=Dark Blue]



SEIZE/mm	A	B	C	D	REEL SIZE	QTY/REEL
CCM0504	330	100	16.9	12.5	13"	1.5K

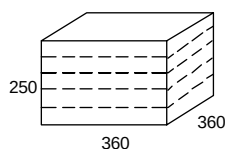
BOX Package: Unit mm

2 Reel in



Inner Small Box

5 Inner Small Box in



Outer Large Box



RoHS Compliant

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

24.09.2014



SUPERWORLD ELECTRONICS (S) PTE LTD

PG. 4