



Coilmaster



RoHS Compliant

SPECIFICATION APPROVAL

CUSTOMER : Dachs

PRODUCT : SER2915-330K-LF

Pb-free

CODE NO. : C08729016

CUS. CODE :

SPEC.NO. : C-8729-016(00)

DATE : 7-Jan-19

CUSTOMER APPROVAL

Coilmaster Electronics Co., Ltd.

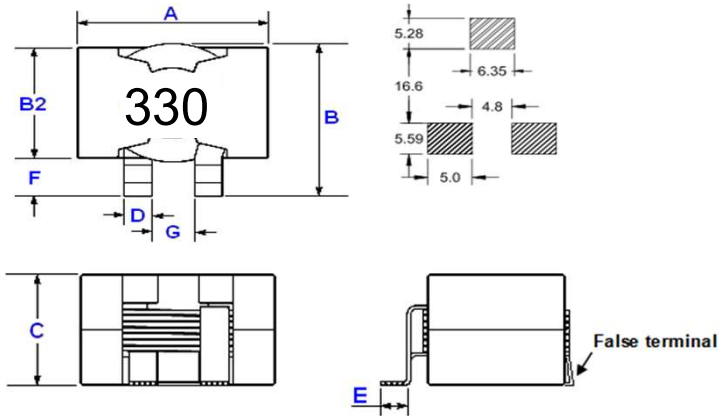
3F ,NO.211 HUAN BEI ROAD, CHUNG-LI DISTRICT
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PREPARED BY	APPROVED BY	AUTHORIZED BY
JEAN	TONY	MASCOT

PRODUCT	SER2915-330K-LF	COIL SPECIFICATION	DATE	2019/1/7
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EXTERNAL DIMENSIONS :

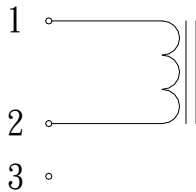


- A : 27.9 Max. m/m
- B : 28.5 Max. m/m
- B1 : 19.8 Max. m/m
- C : 15.5 Max. m/m
- D : 3.8 Ref. m/m
- E : 3.8 Min. m/m
- F : 6.9 Ref. m/m
- G : 6.6±0.5 m/m

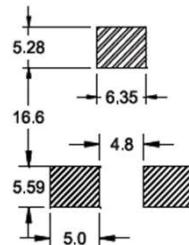
ELECTRICAL CHARACTERISTIC :

L(μH) :	33±20%	100KHz 0.1V
DCR(mΩ) :	1.75	Max.
Irms(A) :	30.0	Max.
Isat(A) :	2.60	Max. (L11A ≥ 0Ax80%)
INDUCTANCE DROP :	20% Max.	2.6 A

SCHEMATIC DRAWING :



Land Pattern :



Terminal 3 is for mounting stability only

MATERIAL LIST :

NO	ITEM	MATERIAL	SUPPLIER OF THE MATERIAL
1			
2			
3			

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TEST DATA

ELECTRICAL CHARACTERISTICS							
MEAS. ITEM	L(μH)	DCR(mΩ)	Isat(A)				
TEST FREQ.	100KHz 0.1V	Max.	Max.				
YOUR			L(2.6A)				
SPEC.	33±20%	1.75	≥0Ax80%				
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
X	#DIV/0!	#DIV/0!	#DIV/0!				
R	0.00	0.00	0.00				

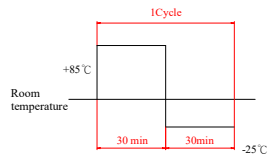
DIMENSION							
MEAS. ITEM	A	B	C	D	E	F	
TEST FREQ.	m/m	m/m	m/m	m/m	m/m	m/m	
YOUR							
SPEC.							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
X	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
R	0.00	0.00	0.00	0.00	0.00	0.00	

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TEST ITEMS	SPECIFICATIONS	TEST CONDITIONS / TEST METHODS		
<u>ELECTRICAL PERFORMANCE TEST</u>				
L	REFER TO STANDARD ELEC-TRICAL CHARACTERISTIC LIST.	CH-1061 OR EQUIV.		
DCR		CH-502A OR EQUIV		
RATED CURRENT		APPLIED THE CURRENT TO COILS THE IDUCTANCE CHANGE SHOULD BE LESS THAN 20% TO INITIAL VALUE AND TEMPERATURE RISE SHOULD NOT BE MORE THAN 40°C ..		
TEMPERATURERISE TEST	40°C MAX (Δt)	1. APPLIED THE ALLOWED DC CURRENT FOR 4 HOURS. 2. TEMPERATURE MEASURE BY DIGITAL SURFACE THERMOMETER.		
OVER LOAD TEST	NO EVIDENCE OF ELECTRICAL DAMAGE	APPLIED 1.5 TIMES OF RATED ALLOWED DC CURRENT TO INDUCTORS FOR A PERIOD OF 5 MINUTES.		
<u>MECHANICAL PERFORMANCE TEST</u>				
SOLDER HEAT RESISTANCE	1. INDUCTORS SHOULD HAVE NO EVIDENCE OF ELEC-TRICAL AND MICHANICAL DAMAGE 2. INDUCTANCE SHOULD NOT HANGE MORE THAN±10% 3. SOLDER MATERIAL WILL BE LEAD FREE.	PREHEAT:150°C 60SECS		
VIBRATION TEST (LOW FREQUENCY)		SOLDER TEMPERATURE: 255±5°C		
SHOCK TEST		FLUX: ROXIN.. DIP TIME:10±0.5SECS.		
		1.AMPLITUDE: 1.5 mm 2.FREQUENCY: 10-55-10HZ / 1 MIN 3.DIRECTION: X, Y, Z 4.DURATION: 2 HRS/X, Y, Z		
		INDUCTORS SHOULD BE DROPPED 10 TIMES FROM A HEIGHT OF 1m ONTO 3cm WOODEN BOARD.		

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<u>CLIMATIC TEST</u>				
TEMPERATURE CHARACTERISTIC	1.APEARANCE:NO DAMAGE 2.INDUCTANCE:WITHIN±10% OF INITIAL VALUE.	- 40℃ ~ +125℃		
HUMIDITY TEST		60℃±2℃ / 96±2 HOURS		
LOW TEMPERATURE STORAGE		1.TEMPERATURE:- 25℃±2℃ 2.TIME: 96±2 HOURS		
THERMAL SHOCK TEST		1.-25±5℃ FOR 30 MINUTES. +80±5℃ FOR 30 MINUTES. 2.TOTAL: 10 CYCLES		
HIGH TEMPERATURE STORAGE		1.APPLIED CURRENT: MAX RATED CURRENT 2.TEMPERATURE:80℃±2℃		
NOTE : INDUCTORS ARE TO BE TESTED AFTER 2 HOUR AT ROOM TEMPERATURE.				
<u>LIFE TEST</u>				
HIGH TEMPERATURE LOAD LIFE TEST	INDUCTORS SHOULD BE NO EVIDENCE OF SHORT OR OPEN CIRCUIT	1. TEMPERATURE: 80±2℃ 2. TIME: 500±12 HOURS 3. LOAD: ALLOWED DC CURREN		
HUMIDITY LOAD LIFE TEST		1. TEMPERATURE: 60±2℃ 2. R.H.: 90-95% 3. TIME: 500±12 HOURS 4. LOAD: ALLOWED DC CURREN		



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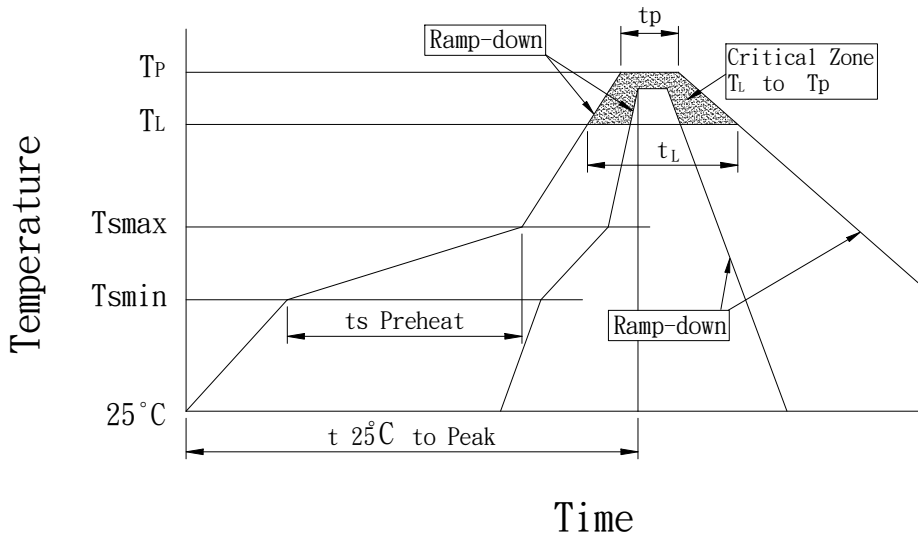
RECOMMENDED SOLDERING CONDITIONS :

CLASSIFICATION REFLOW PROFILES

Profile Feature	Sn-Pb Eutectic Assembly		Pb-Free Assembly	
	Large Body	Small Body	Large Body	Small Body
Average ramp-up rate (T_L to T_P)	3°C/second max.		3°C/second max.	
Preheat				
-Temperature Min (T_{smin})	100°C		150°C	
-Temperature Min (T_{smax})	150°C		200°C	
-Time (min to max) (ts)	60-120 seconds		60-180 seconds	
T_{smax} to T_L				
-Ramp-up Rate			3°C/second max.	
Time maintained above:				
-Temperature (T_L)	183°C		217°C	
-Time (t_L)	60-150 seconds		60-150 seconds	
Peak Temperature (T_p)	225 +0/-5°C	240 +0/-5°C	245 +0/-5°C	255 +5/-5°C
Time within 5°C of actual Peak Temperature (t_p)	10-30 seconds	10-30 seconds	10-30 seconds	20-40 seconds
Ramp-down Rate	6°C/second max.		6°C/second max.	
Time 25°C to Peak Temperature	6 minutes max.		8 minutes max.	

Note : All temperatures refer to top side of the package. Measured on the package body surface.

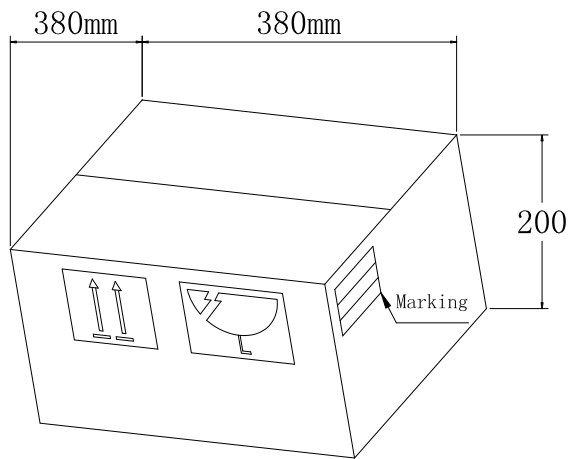
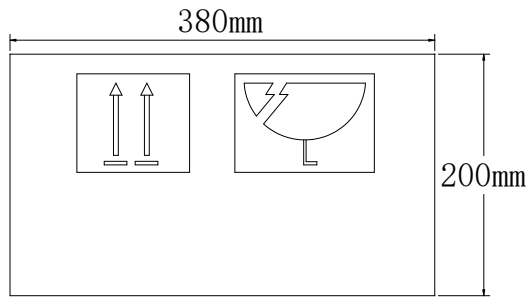
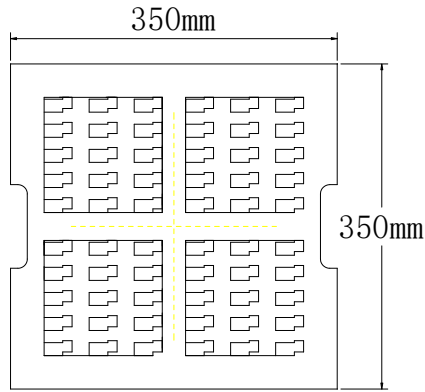
REFLOW SOLDERINGS



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PACKAGE :

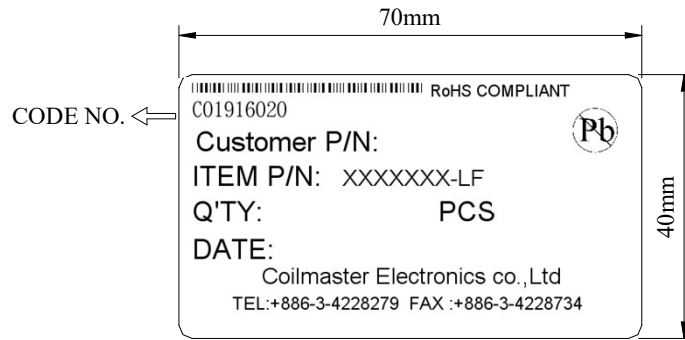


60pcs/Tray
240pcs/carton

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TABLE :



INNER BOX LABEL



OUT BOX LABEL

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