

SPECIFICATION FOR APPROVAL

CUSTOMER: _____ PART NO: _____

DESCRIPTION: FCD105-471M-NP SUBMIT NO: _____

QUANTITY: _____ PCS DATE: _____

方瑞达电子（香港）有限公司		
FONRITA ELECTRONICS (H.K) CO., LTD.		
MADE	CHECKED	APPROVED
张达	黎敏	邓锋

贵 公 司 承 认 栏		
APPROVED BY MANGEMNT		
MADE	CHECKED	APPROVED



方瑞达电子（香港）有限公司

FONRITA ELECTRONICS (H.K) CO., LTD.

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TEL:0755-26617190

FAX:0755-26162625

CUSTOMER :				PART NO.			
SPECIFICATIONS				DATE			
PART NAME		DATA SHEET		SPEC(TYPE)		FCD105-471M-NP	

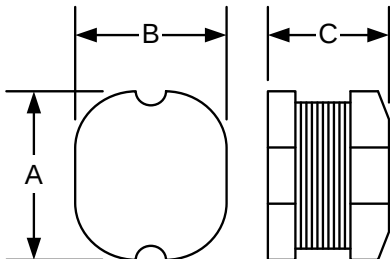
TEST INSTRUMENT

○ 1. HP 4285A PRECISION LCR METER

● 2. WAYNE PMA3260A LCR METER

● 3. ZENTECH 9052 PROGRAMMABLE AUTO SAFETY TESTER

● 4. WAYNE KERR 3265A CURRENT SOURCE



ELECTRICAL CHARACTERISTICS				DIMENSION			
ITEM	L (μH)	RDC(Ω)	IDC(A)	A	B	C	
SPEC.	1KHz/0.25V	Max.	Max.	m/m	m/m	m/m	
	470±20%	1.35	0.80	10.0±0.4	9.0±0.4	5.4±0.3	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
$\bar{X}$							
R							
TEST CONDITION		TEMP:	25°C		HUMIDITY:	50%	
MADE BY		CHECKED BY			APPROVED BY		
张达		黎 敏			邓锋		



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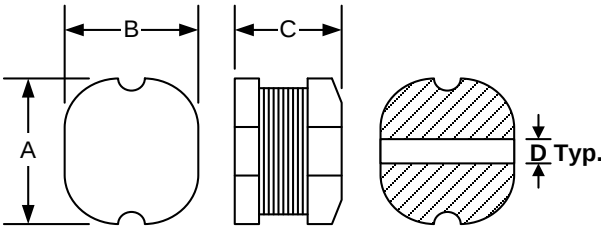
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. 1.

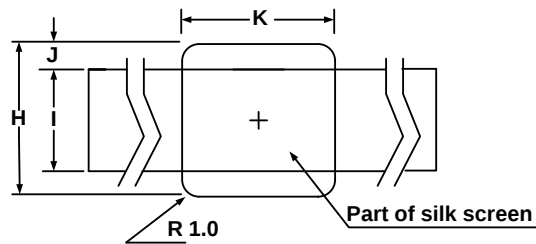
CUSTOMER :		PART NO.	
SPECIFICATIONS		DATE	
PART NAME	DIMENSION	SPEC(TYPE)	FCD105-471M-NP
		UNIT	m/m

■
 SHAPE&DIMENSION



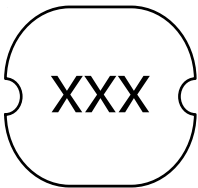
A	10.0±0.4
B	9.0±0.4
C	5.4±0.3
D	2.1Typ.

■
 LAND PATTERN



H	10.0
I	2.5
J	3.75
K	9.5

■
 MARK



MARK COLOR : BLACK or WHITE

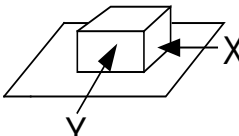
[illegible]

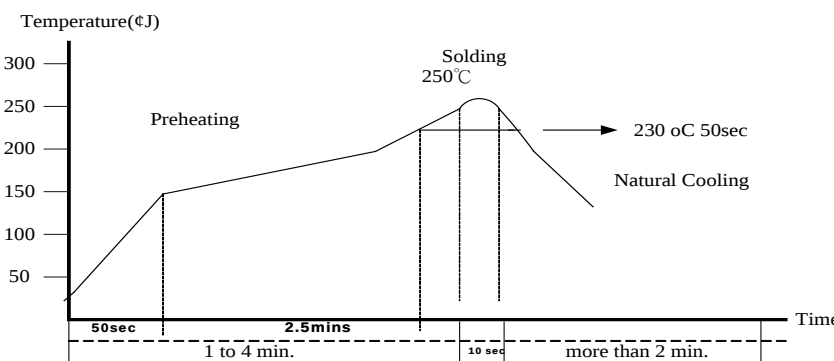
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3.

CUSTOMER :		PART NO.	
SPECIFICATIONS		DATE	
PART NAME	GENERAL CHARACTERISTI	SPEC(TYPE)	FCD105-471M-NP
Operating Temperature	-20℃ to +85℃(Contain Heating coil)		
Storage Temperature	-40℃ to +125℃		
Appearance Inspection	No external defects by visual inspection		
Terminal Strength	After soldering, between copper plate and terminals of coil,		
	Push in two directions of X, Y with standing as below conditions.		
	Terminal should not peeled off.		
	(Refer to figure at right)		
	5.0 N 10sec.		
Heat endurance of	Refer to below figure		
reflow soldering			
Insulating resistance	Over 100MΩat 100V D.C. between wire and core.		
Dielectric strength	No dielectric breakdown at 100V D.C. for 1 minute		
	Between wire and core.		
Temperature characteristic	Inductance coefficient(0~2,000)×10-6 /℃		
	(-25℃~+80℃)		
Humidity characteristic	Inductance deviation with ±5.0%, after 96 hours		
	in 90~95% relative humidity at 40±2℃ and 1hour		
	drying under normal condition.		
Vibration resistance	Inductance deviation with ±5.0% after vibration for 1 hour.		
	In each of three orientations at sweep vibration		
	(10~55~10Hz) with 1.5mm p-p amplitude.		



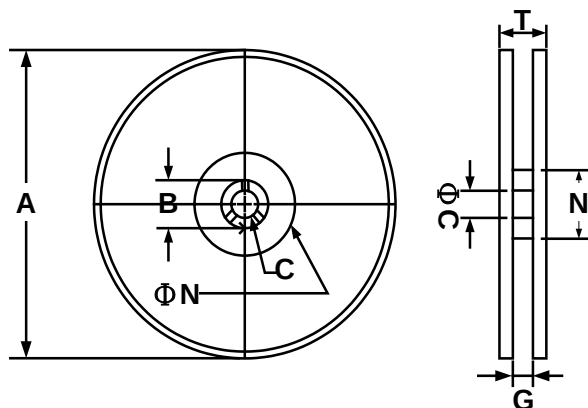
The graph plots Temperature (°C) on the y-axis (50 to 300) against Time on the x-axis. The profile includes a Preheating phase (50sec), a heating phase (1 to 4 min), a Soldering phase at 250°C (10 sec), and a Natural Cooling phase (more than 2 min). A horizontal line at 230°C for 50sec is also indicated.

A test is made under the above mentioned condition, and it is kept for 2 hours in the normal temperature and humidity. After that, no mechanical and electrical defect should be found.



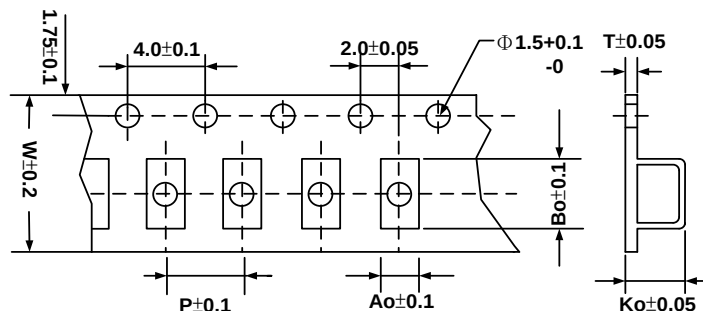
CUSTOMER :		PART NO.	
SPECIFICATIONS		DATE	
PART NAME	CARRIER & REEL	SPEC(TYPE)	FCD105-471M-NP

REEL DIMENSION



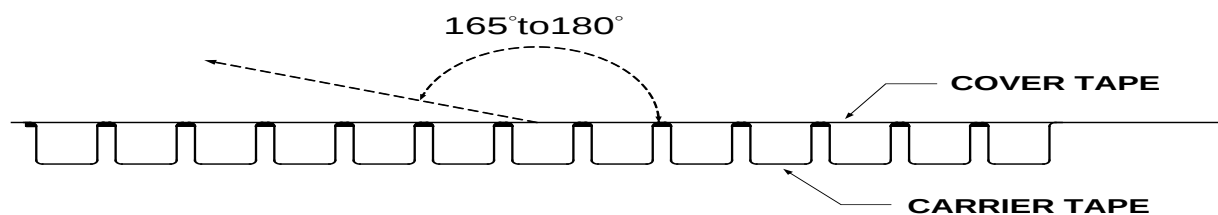
A	330
B	21.0±0.8
C	13.0±0.2
G	16.4 ^{+1.5} ₋₀
N	100
T	20.4
TYPE	16
MATERIAL	PLASTIC

CARRIER DIMENSION



Ao	7.6
Bo	7.6
Ko	5.4
W	16
P	12
T	0.4

THE FORCE FOR TEARING OFF COVER TAPE IS
10 TO 60 GRAMS IN THE ARROW DIRECTION



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SPECIFICATIONS		DATE	
PART NAME	FCD TYPE	SPEC(TYPE)	FCD105-471M-NP

