

SPECIFICATION FOR APPROVAL

CUSTOMER: _____ PART NO: _____

DESCRIPTION: FDRH105R-7R2N-NP SUBMIT NO: _____

QUANTITY: _____ 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., LIMITED

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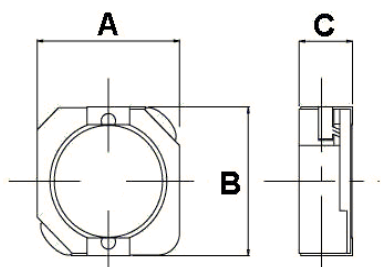
TEL:0755-26617190

FAX:0755-26162625

CUSTOMER :		PART NO.	
SPECIFICATIONS		DATE	
PART NAME	DATA SHEET	SPEC(TYPE)	FDRH105R-7R2N-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.	100KHz/0.1V	Max.	Max.		m/m	m/m	m/m	
	7.2±30%	0.02 ⁺⁰	4.38 ⁻⁰		10.0±0.5	10.0±0.5	5.1Max	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
$\overline{X}$								
R								
TEST CONDITION		TEMP:	25℃			HUMIDITY:	50%	
DRAWN BY			CHECKED BY			APPROVED BY		
张达			黎敏			邓锋		



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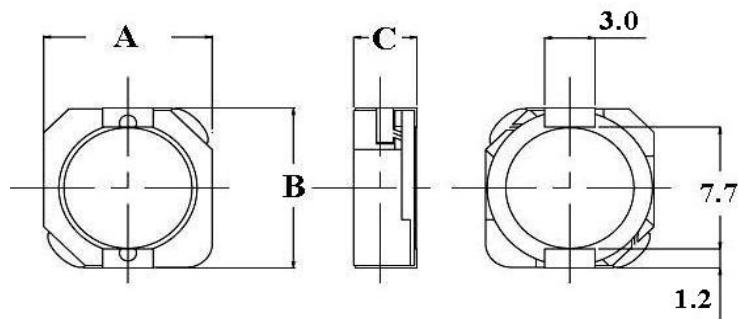
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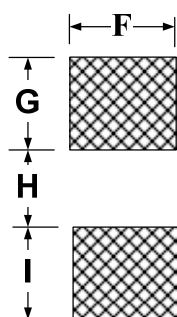
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■ SHAPE&DIMENSION



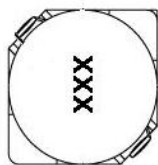
A	10.0±0.5
B	10.0±0.5
C	5.1Max

■ LAND PATTERN



F	3.2
G	1.7
H	7.7
I	1.7

■ MARK



MARK COLOR : BLACK or WHITE

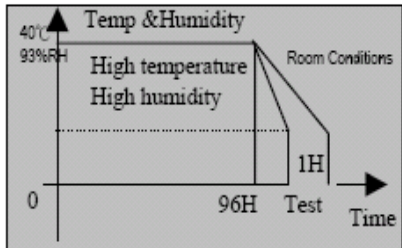
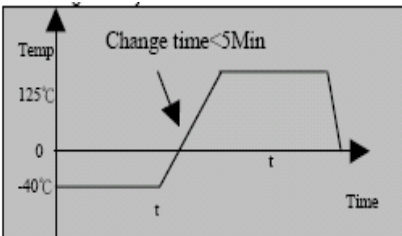
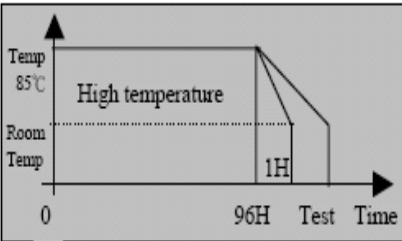


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CUSTOMER :		PART NO.	
SPECIFICATIONS		DATE	
PART NAME	RELIABILITY TEST	SPEC(TYPE)	FDRH105R-7R2N-NP
ITEM	REQUIRED CHARACTERISTICS	TEST METHOD	
HUMIDITY TEST	1. NO DEFORMATION OR CHANGE IN APPEARANCE. 2. $\Delta L/L \leq 10\%$ 3. $\Delta Q/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$	1. DRY OVEN AT A TEMPERATURE OF $40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ FOR 24 HOURS. 2. MEASUREMENTS AT THE END OF THIS PERIOD 3. EXPOSURE: TEMPERATURE: $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$, HUMIDITY: $93 \pm 3\% \text{RH}$ TIME: 96 ± 2 HOURS. 4. TESTED WHILE THE SPECIMENS ARE STILL IN THE CHAMBER 5. TESTED NOT LESS THAN 1 HOUR, NOR MORE THAN 2 HOURS AT ROOM TEMPERATURE. TEMPERATURE. 	
THERMAL SHOCK TEST	1. NO CASE DEFORMATION OR APPEARANCE CHANGE IN 2. $\Delta L/L \leq 10\%$ 3. $\Delta Q/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$ FOR T:WEIGHT $\leq 28\text{G}$:15Min; $28\text{G} \leq \text{WEIGHT} \leq 136\text{G}$:30Min		
HIGH TEMPERATURE STORAGE TEST	1. NO DEFORMATION OR CHANGE IN APPEARANCE. 2. $\Delta L/L \leq 10\%$ 3. $\Delta Q/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$	TEMPERATURE: $85 \pm 2^{\circ}\text{C}$ TIME: 96 ± 2 HOURS TESTED NOT LESS THAN 1 HOUR, NOR MORE THAN 2 HOURS AT ROOM TEMPERATURE. 	

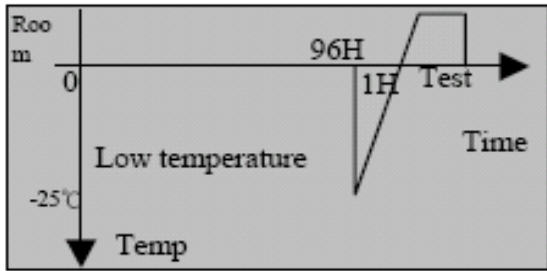
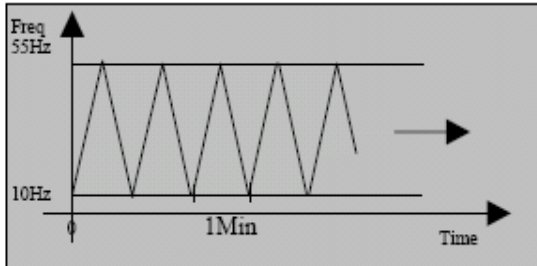
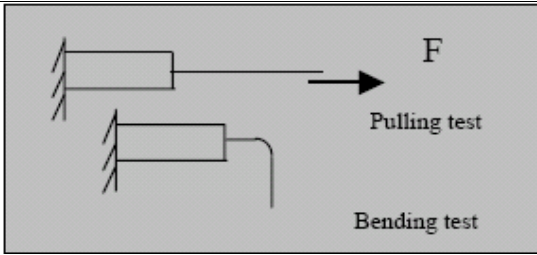


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CUSTOMER :		PART NO.	
SPECIFICATIONS		DATE	
PART NAME	FDRH TYPE	SPEC(TYPE)	FDRH105R-7R2N-NP
LOW TEMPERATURE STORAGE TEST	1. NO DEFORMATION OR CHANGE IN APPEARANCE. 2. $\Delta L/L \leq 10\%$ 3. $\Delta Q/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$	TEMPERATURE:-25±2℃ TIME: 96 ± 2 HOURS TESTED NOT LESS THAN 1 HOUR, NOR MORE THAN 2 HOURS ATTEMPERATURE. ROOM TEMPERATURE. 	
VIBRATION TEST	1. NO CASE DEFORMATION OR CHANGE IN APPEARANCE. 2. $\Delta L/L \leq 10\%$ 3. $\Delta Q/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$	APPLY FREQUENCY 10~55Hz. 0.75mm AMPLITUDE IN EACH OF PERPENDICULAR DIRECTION FOR 2 HOURS. (TOTAL 6 HOURS) 	
TERMINAL STRENGTH	1. TERMINAL SHOULD NOT COME OUT 2. $\Delta L/L \leq 10\%$ 3. $\Delta Q/Q \leq 30\%$	A. PULL FORCE:0.45Kg;THE FORCE SHALL BE APPLIED GRADUALLY TO THE TERMINAL AND THEN MAINTAINED FOR 10 SECONDS.	
	4. $\Delta DCR/DCR \leq 10\%$	C. WIRE-LEAD BEND:0.23Kg, THE RATE OF BENDING SHALL BE APPROXIMATELY 3 SECONDS PER BEND IN EACH DIRECTION. THE LOAD SHALL BE SUSPENDED AT A POINT WITHIN 1/4 INCH FROM THE FREE END OF THE TERMINAL. 	



CUSTOMER :		PART NO.	
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PART NAME	FDRH TYPE	SPEC(TYPE)	FDRH105R-7R2N-NP
HEAT ENDURANCE OF FLOW SOLDERING	1. NO CASE DEFORMATION OR CHANGE IN APPEARANCE. 2. $\Delta L/L \leq 10\%$ 3. $\Delta Q/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$	1. DIP PADS IN FLUX THEN DIP IN SOLDER POT AT $260 \pm 5^\circ\text{C}$ FOR 10 SECONDS. 2. SOLDER: Sn (96)/Ag(4) 3. FLUX: ROSIN FLUX	
SOLDERABILITY TEST	TERMINALS AREA MUST HAVE 95% SOLDER COVERAGE.	1. DIP PADS IN FLUX THEN DIP IN SOLDER POT AT $245 \pm 5^\circ\text{C}$ FOR 5 SECONDS. 2. SOLDER: Sn(96)/Ag(4) 3. FLUX: ROSIN FLUX	



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