



**PREMO ELECTRONIC (WUXI) CO LTD**  
**SPECIFICATION**

<b>Part Number</b>	X-W0109-015
<b>Description</b>	TRANSFORMER RM8 SIFERRIT N41
<b>Customer Part Number /Description</b>	134A.000016.693.001

**CUSTOMER APPROVAL(CUSTOMER SIGN)**

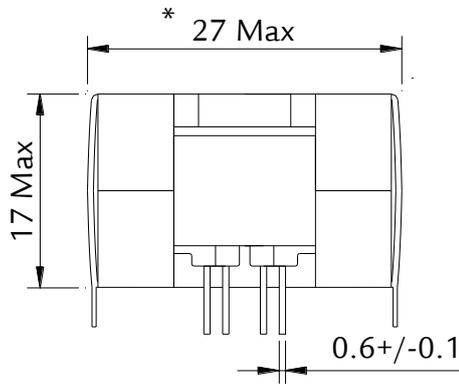
<b>APPROVAL/DATE</b>	<b>CHECK/DATE</b>	<b>MADE/DATE</b>

**SUPPLIER APPROVAL**

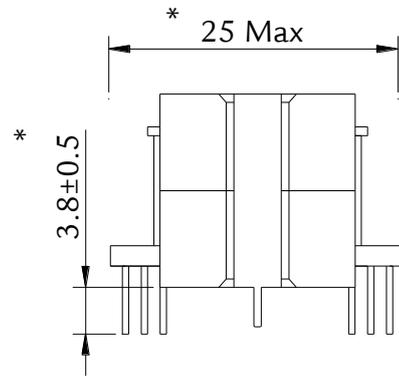
<b>APPROVAL/DATE</b>	<b>CHECK/DATE</b>	<b>MADE/DATE</b>
Sonia 2010/11/23	Shen JunFeng 2010/11/23	Jessie 2010/11/23

	Customer	Customer Ref.	Description			
	Hollysys	4A.016	TRANSFORMER RM8 SIFERRIT N41			
Project Ref	Prototype Ref.	Ordering Code	Date	Edition	Page	
X-W0109-015			10/11/23	2	1/3	

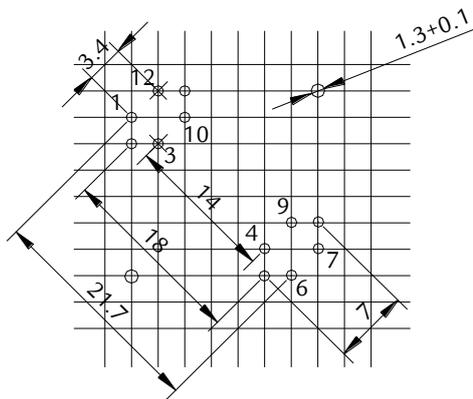
## 1. Dimensions



Front View



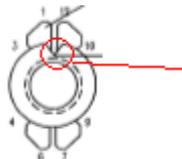
Lateral View



Recommended PCB layout  
View in Mounting Direction

### Notes:

- Pin Grid:  $\pm 0.3\text{mm}$ ;
- Cut pin 3,12;
- White dot mark pin 1;
- The dimension with "\*" needs control;



at the same side with white dot

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## 2. Materials

### 2.1-Ferrite core materials

Format: RM8  
Material: R3K

### 2.2-Coil former

Description: RM8/12P

### 2.3-Clip

Format: RM8

### 2.4- Wire

Description: ENAME CU WIRE 0.40/2/UEW155/UL for N1, N2 and N3 windings

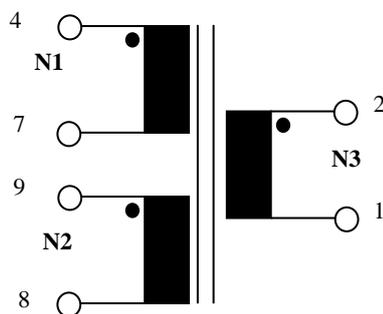
### 2.5- Insulation tape

Description: POLY.TAPE/CT280/W=9.5mm/YEL

### 2.6- Tube

Description: SILICON SLEEVE 0.5/1.3 BLK/UL

## 3. Electrical diagram



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## 4. Electrical parameters

### 4.1- Inductance

L(N1) = 1.1mH+30% -20%  
( Measured at 10kHz/10mV )

### 4.2- Turn Ratio

N1:N2:N3 = 16:12:18

### 4.3- Resitance

R(N1) = 90mΩ +/-20%  
R(N2) = 50mΩ +/-30%  
R(N3) = 100mΩ +/-20%

### 4.4- Dielectric strength

0.5kVac between N1 and N2 | 1min | 5mA;  
1.5kVac between N1 and N3 | 1min | 5mA;  
1.5kVac between N2 and N3 | 1min | 5mA;

### 4.5- Capacitance

Cp(N3 - other) = 30pF +/-30%  
( Measured at 10kHz, 300mVac, RT=20°C )

## 5. Marking

The transformer is marked on the top of the core as follows:

PREMO XX/YY X-W0109-015
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XX: Week  
YY: Year

## 6. Packaging

Packaging with carton board & EPE

## 7. Edition control

Edition	Changed by	Date	Change description
1 <sup>st</sup>	Jessie	10/10/29	Preliminary edition
2 <sup>nd</sup>	Jessie	10/11/23	Change marking & resistance & capacitance