

## Product Specification for Approval

WE ARE PLEASED IN SUBMITTING OUR SAMPLES WITH SPECIFICATION TO YOU FOR APPROVAL.

<b>CUSTOMER</b>	:	
<b>DESCRIPTION</b>	:	<b>PLANAR INDUCTOR</b>
<b>MNC P/N</b>	:	<b>MHW2618HBSG4R7K</b>
<b>VERSION</b>	:	<b>A0</b>
<b>CUSTOMER P/N</b>	:	
<b>ISSUED DATE</b>	:	<b>2020/6/9</b>
<b>PHOTO OF PRODUCT</b>	:	
<b>WEIGHT</b>	:	<b>35.4g</b>
<b>MADE IN</b>	:	<b>CHINA</b>



APPROVED BY MNC		
PREPARED BY	CHECKED BY	APPROVED BY
Fanny	Renbo Zhu	Zhiliang Gong

APPROVED BY CUSTOMER
SIGNATURE OR STAMP

1. PLEASE SEND BACK US A COPY OF THE SPECIFICATION WITH YOUR STAMP OR SIGNATURE ONCE THE SAMPLES APPROVED.
2. IT WILL BE DEEMED THE SAMPLES TO BE APPROVED IF NO FEEDBACK.

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**HISTORY FOR REVISED SPECIFICATION**

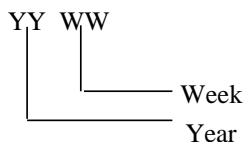
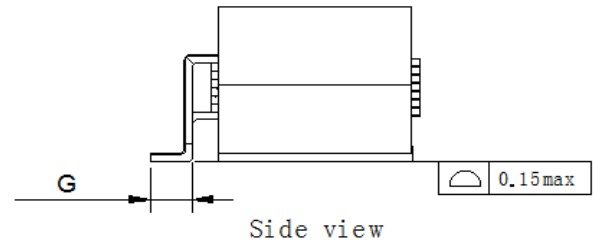
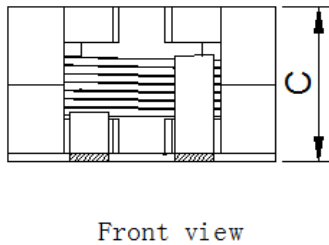
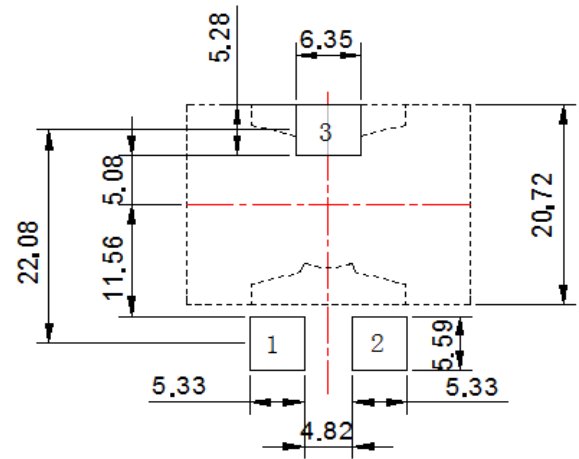
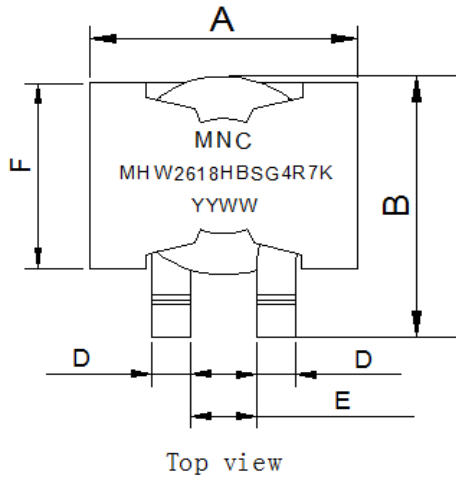
**Part No. MHW2618HBSG4R7K**

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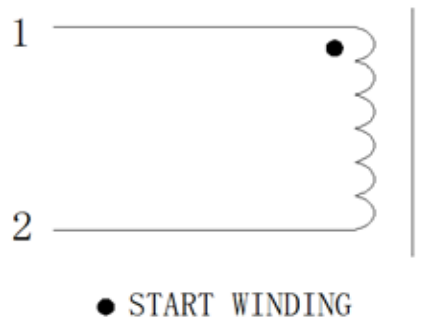
**CHANGE RECORD**

<b>REV.</b>	<b>DESCRIPTION</b> (Content or Reason For Change)	<b>DATE</b>	<b>REVISOR</b>
A0	Initial release	2020/6/9	Fanny

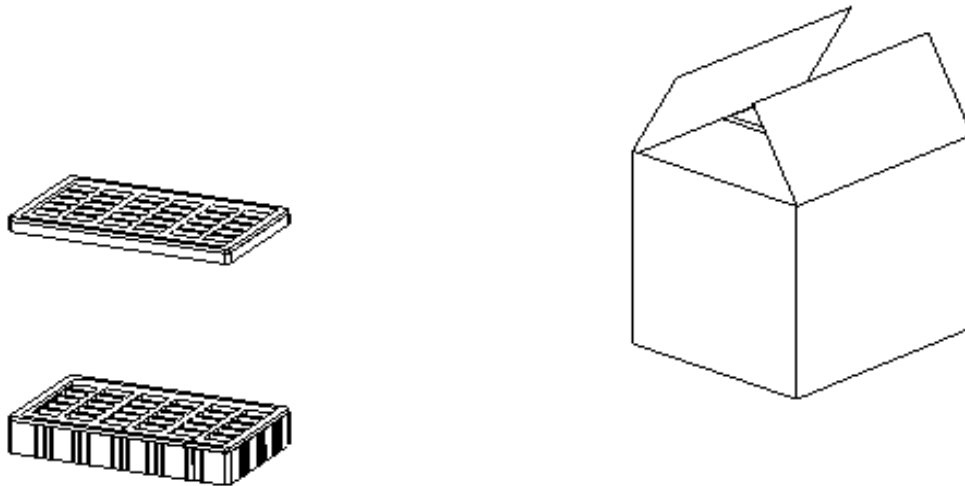
**SPECIFICATION**
**Part No. MHW2618HBSG4R7K**
**A. MECHANICAL: (UNITS: mm)**


1. Unless otherwise specified all tolerances are:  $\pm 0.30\text{mm}$
2. All pin length don't include tin icicles

DIM	MILLIMETERS
A	27.90 Max
B	27.94 Max
C	17.78 Max
D	3.80
E	$6.63 \pm 0.05$
F	19.80 Max
G	3.8 Min

**SPECIFICATION**
**Part No. MHW2618HBSG4R7K**
**B. SCHEMATIC :**

**C. ELECTRICAL SPECIFICATION @25°C**

ITEM	SPECIFICATION	TEST CONDITION	TEST EQUIPMENT
L: 1-2	4.7uH±10%	500KHz,0.1V @25°C	WK3260B OR EQU.
Isat:1-2	61.2A (L drop 20%MAX)	AT 25 °C	WK3260B+3265B
Irms:1-2	28.0A	AT 40 °C	WK3260B+3265B
DC RESISTANCE: 1-2	2.86mΩ Max	25°C	TH2512B OR EQU.
HI-POT: Coil TO Core	200VDC	1mA,3S	TH9201S OR EQU
OPERATING TEMPERATURE RANGE	-40°C to 125°C(Including self temperature rise)		
STORAGE TEMPERATURE RANGE	-40°C to 125°C		

**SPECIFICATION****Part No. MHW2618HBSG4R7K****1. PACKING:****a. PACKAGING AS BELOW (ONLY FOR REFERENCE):****b. Q'TY:**

40pcs/Tray  
9reel/carton  
360 pcs/carton

**c. LABEL:**

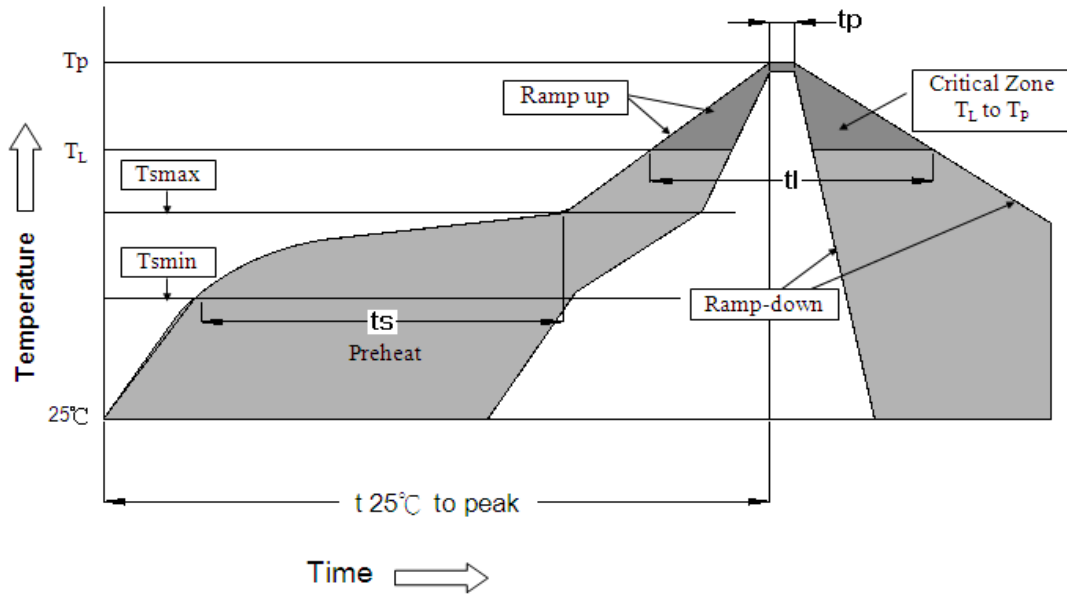
<b>ACCEPTED</b>			
CUSTOMER: _____			
Internal P/N: _____			
QTY: _____	PCS	D/C: _____	
W/O: _____		FQA: _____	

**REMARK:**

ABOVE PACKING IS FOR YOUR REFERENCE ONLY, WHICH MIGHT BE CHANGED WITHOUT NOTICE.

**MATERIAL LIST**
**Part No. MHW2618HBSG4R7K**
**BOM**

<b>MATERIAL LIST</b>					
<b>NO.</b>	<b>ITEM</b>	<b>MATERIAL</b>	<b>RATING</b>	<b>SUPPLIER OF MATERIAL</b>	<b>UL</b>
1	CORE	PQ26/16 JNP902/DMR 91	-----	JIANUO/ DMEGC OR EQU.	N/A
2	WIRE	SFT-EI/AIWJ	220°C	WELL ASCENT ELECTRONIC (GANZHOU) CO LTD	E318511
		*xEI/AIW	220°C	ZHUHAI SUNTEK WIRE CO., LTD.	E234867
3	EPOXY	6911 G2	-----	MIANYANG WELLS	N/A
4	BASE	PM9630	-----	SUMITOMO BAKELITE CO.LTD	E41429

**RECOMMENDED SOLDERING PROFILE**
**Part No. MHW2618HBSG4R7K**
**1. RECOMMENDED REFLOW SOLDERING PROFILE:**


$$T_L = 217^{\circ}\text{C}$$

$$T_p = 245^{\circ}\text{C}$$

$$t_s = 60-120\text{s} \quad T_{s \text{ max}} = 200^{\circ}\text{C} \quad T_{s \text{ min}} = 150^{\circ}\text{C}$$

$$t_l = 60-150\text{s} \quad t_p = 20-40\text{s} \quad T_{25^{\circ}\text{C to peak}} = 8\text{min max}$$

$$\text{Ramp up rate} = 3^{\circ}\text{C/s max}$$

$$\text{Ramp down rate} = 6^{\circ}\text{C/s max}$$

\*RoHS Compliant

\*Solder Paste SAC 305 Sn 96.5/Ag 3.0/Cu 0.5

\*Silkscreen thickness: 0.15mm Min

**2. MOISTURE SENSITIVE LEVEL:**

2.1. Level: 1

2.2. Shelf Life: Unlimited

2.3. Storage Condition:  $\leq 30^{\circ}\text{C}/85\% \text{ RH}$