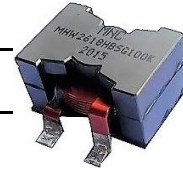


## Product Specification for Approval

**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>MHW2618HBSG100K</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>35.8g</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

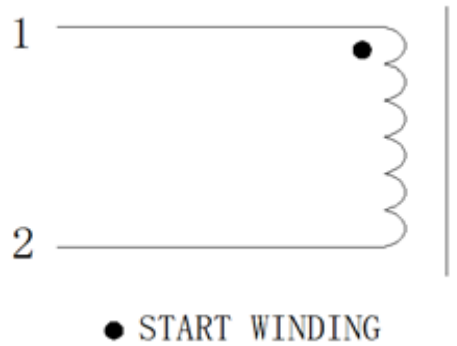
1. PLEASE SEND BACK US A COPY OF THE SPECIFICATION WITH YOUR STAMP OR SIGNATURE ONCE THE SAMPLES APPROVED.
2. IT WILL BE DEEMED THE SAMPLES TO BE APPROVED IF NO FEEDBACK.

东莞铭普光磁股份有限公司  
 Add: Shipai Town, Dongguan City, Guangdong Province, China

TEL: +86-769-86921000  
 FAX: +86-769-81701563





**SPECIFICATION**
**Part No. MHW2618HBSG100K**
**B. SCHEMATIC :**

**C. ELECTRICAL SPECIFICATION @25°C**

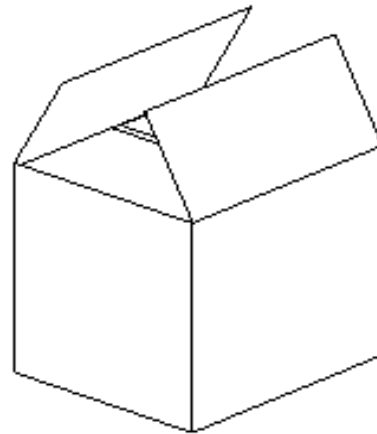
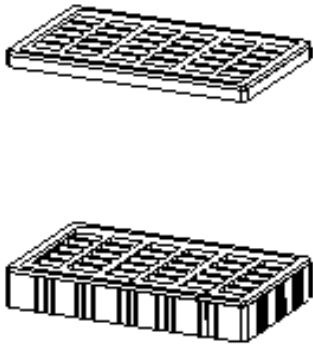
ITEM	SPECIFICATION	TEST CONDITION	TEST EQUIPMENT
L: 1-2	10uH±10%	500KHz,0.1V @25°C	WK3260B OR EQU.
Isat:1-2	31.2A (L drop 20%MAX)	AT 25 °C	WK3260B+3265B
Irms:1-2	28.0A	AT 40 °C	WK3260B+3265B
DC RESISTANCE: 1-2	2.86mΩ Max	25°C	TH2512B OR EQU.
HI-POT: Coil TO Core	200VDC	1mA,3S	TH9201S OR EQU
OPERATING TEMPERATURE RANGE	-40°C to 125°C (Including self temperature rise)		
STORAGE TEMPERATURE RANGE	-40°C to 125°C		

**SPECIFICATION**

**Part No. MHW2618HBSG100K**

**1. PACKING:**

**a. PACKAGING AS BELOW (ONLY FOR REFERENCE):**



**b. Q'TY:**

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

**c. LABEL:**



**REMARK:**

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



**东莞铭普光磁股份有限公司**  
**Dongguan Mentech Optical & Magnetic Co., Ltd.**

**MATERIAL LIST**

**Part No. MHW2618HBSG100K**

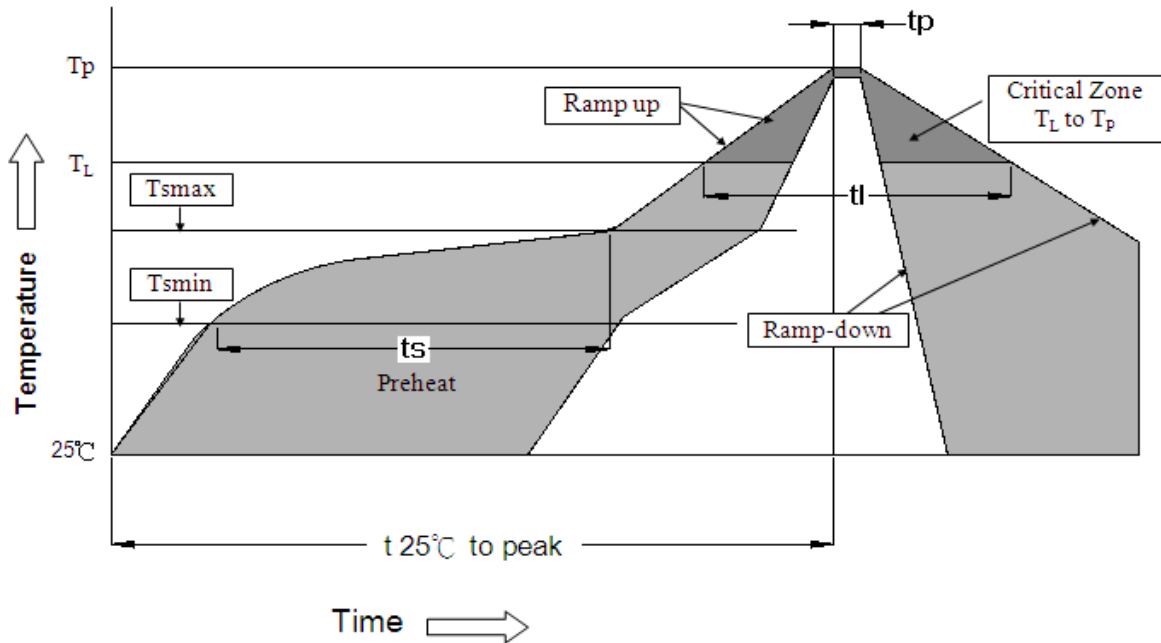
**BOM**

<b>MATERIAL LIST</b>					
NO.	ITEM	MATERIAL	RATING	SUPPLIER OF MATERIAL	UL
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. MHW2618HBSG100K**

**1. RECOMMENDED REFLOW SOLDERING PROFILE:**



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

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

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

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

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

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:  $\leq 30^\circ\text{C}/85\% \text{ RH}$