

Product Specification for Approval

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

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



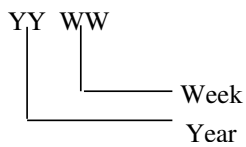
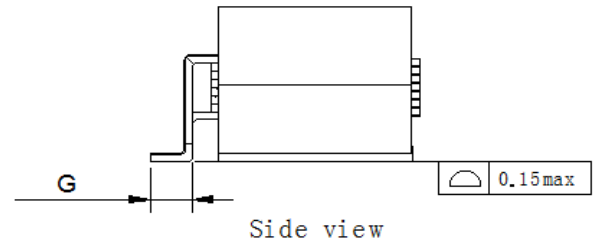
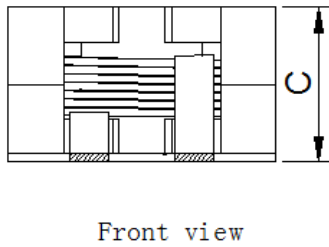
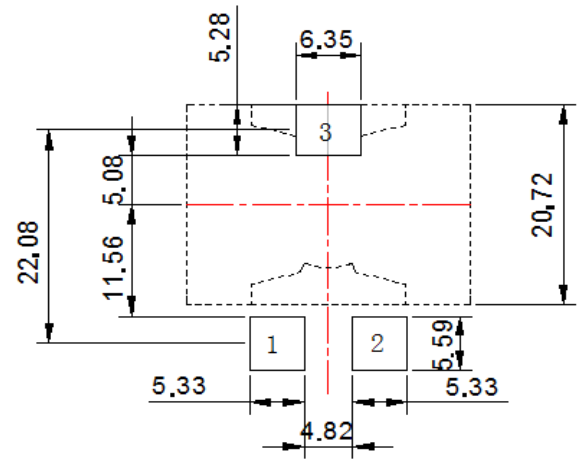
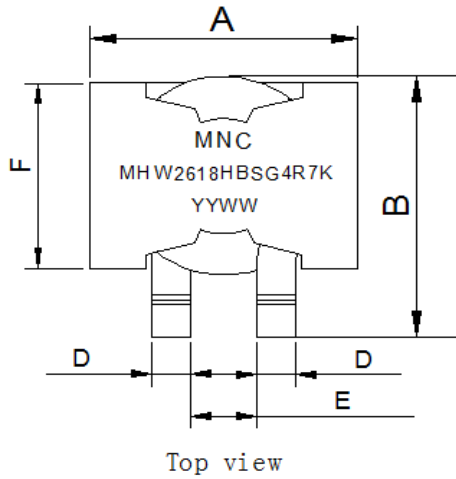
APPROVED BY MNC		
PREPARED BY	CHECKED BY	APPROVED BY
Fanny	Renbo Zhu	Zhiliang Gong

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.

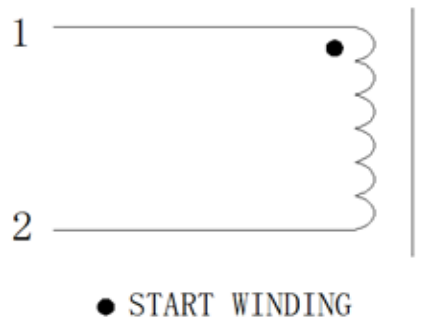
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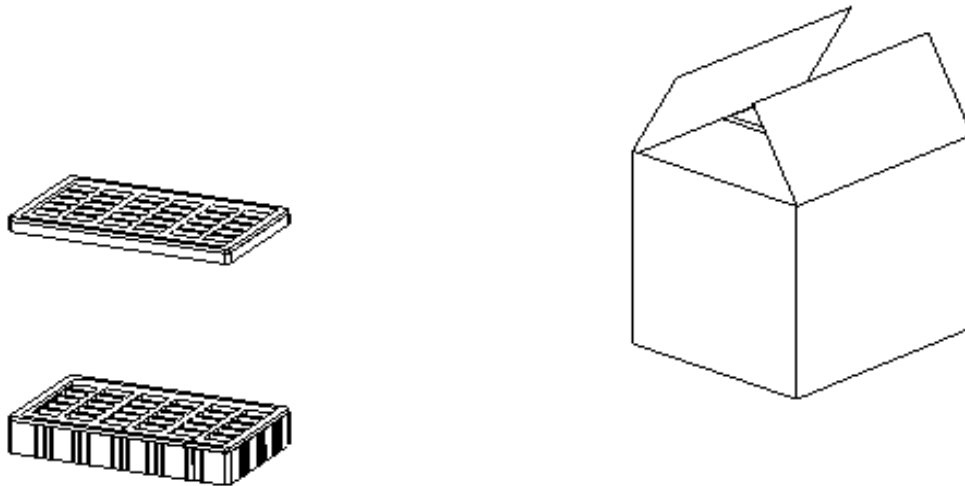
SPECIFICATION
Part No. MHW2618HBSG4R7K
A. MECHANICAL: (UNITS: mm)


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 ± 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:

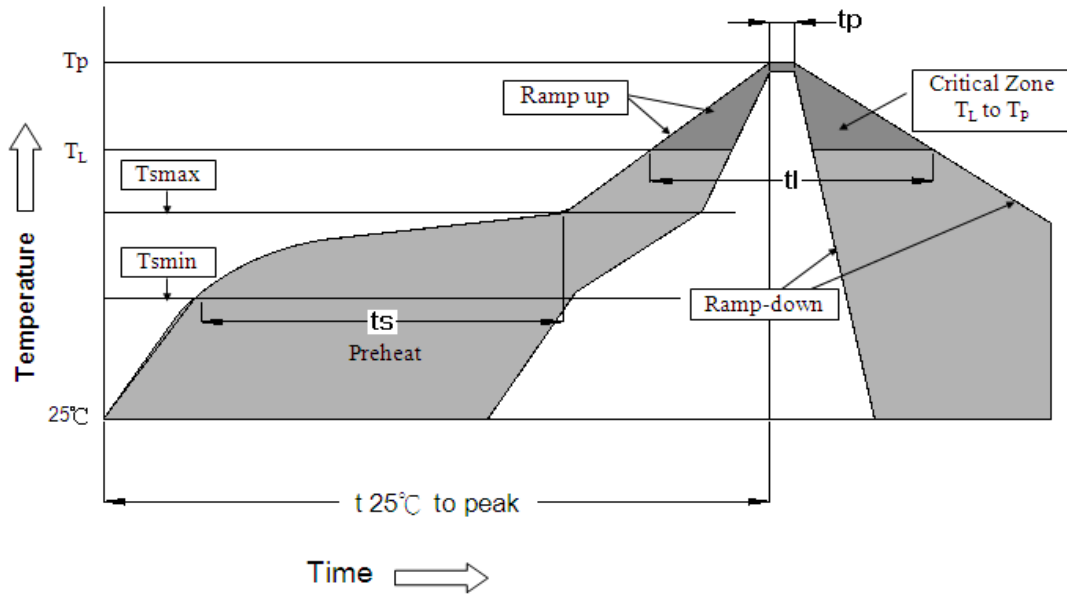
ACCEPTED			
CUSTOMER: _____			
Internal P/N: _____			
QTY: _____	PCS	D/C:	
W/O: _____		FQA: _____	

REMARK:

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

MATERIAL LIST
Part No. MHW2618HBSG4R7K
BOM

MATERIAL LIST					
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. MHW2618HBSG4R7K
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°C/s max

 Ramp down rate = 6°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: $\leq 30^\circ\text{C}/85\% \text{RH}$