




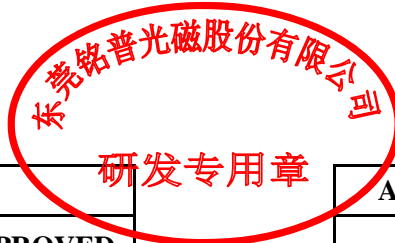
# THE DATASHEET OF H2002DG



## Product Specification for Approval

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

<b>CUSTOMER</b>	:		
<b>DESCRIPTION</b>	:	<b>10/100 BASE-T TRANSFORMER</b>	
<b>MNC P/N</b>	:	<b>H2002DG</b>	
<b>VERSION</b>	:	<b>A0</b>	
<b>CUSTOMER P/N</b>	:		
<b>ISSUED DATE</b>	:	<b>2020/04/27</b>	
<b>PHOTO OF PRODUCT</b>	:		
<b>WEIGHT</b>	:		<b>1.83g</b>
<b>MADE IN</b>	:		<b>CHINA</b>



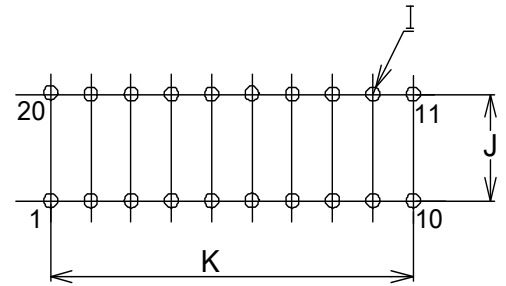
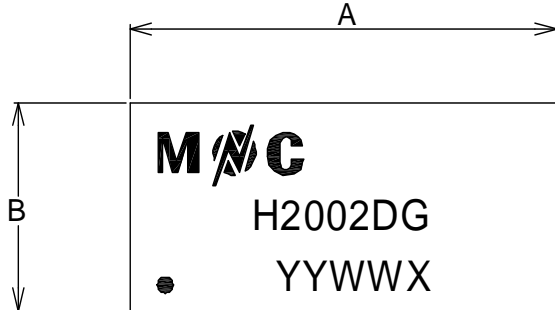
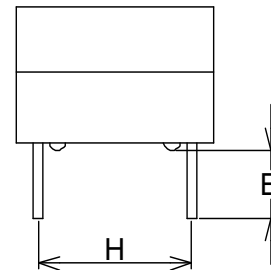
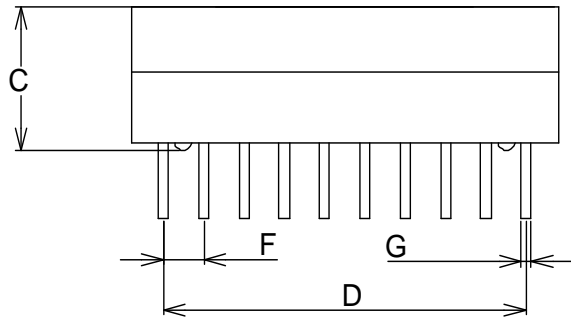
APPROVED BY MNC			APPROVED BY CUSTOMER
PREPARED BY	CHECKED BY	APPROVED BY	SIGNATURE OR STAMP
			

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.

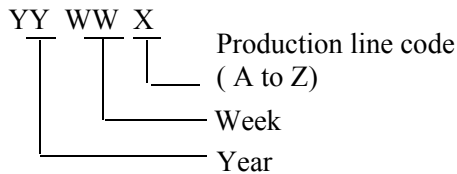
东莞铭普光磁股份有限公司  
 Add: Shipai Town, Dongguan City, Guangdong Province, China

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



**SPECIFICATION**
**Part No. H2002DG**
**A. MECHANICAL :**

**SUGGESTED PAD LAYOUT**


Note: White ink marking



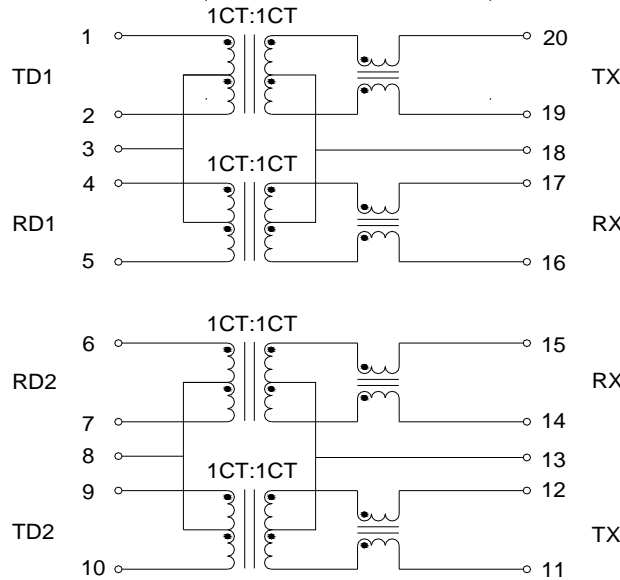
1. UNITS: mm/inch.
2. UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE: TYPICAL
3. PIN LENGTH DON'T INCLUDE SOLDER POINT

DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	20.70	21.20	21.70	0.815	0.835	0.854
B	9.50	10.00	10.50	0.374	0.394	0.413
C	/	/	6.75	/	/	0.266
D	17.50	18.00	18.50	0.689	0.709	0.728
E	2.90	3.20	3.50	0.114	0.126	0.138
F	/	2.00	/	/	0.079	/
G	/	0.50	/	/	0.020	/
H	7.12	7.62	8.12	0.280	0.300	0.320
I	/	0.80	/	/	0.031	/
J	/	7.62	/	/	0.300	/
K	/	18.00	/	/	0.709	/

**SPECIFICATION**

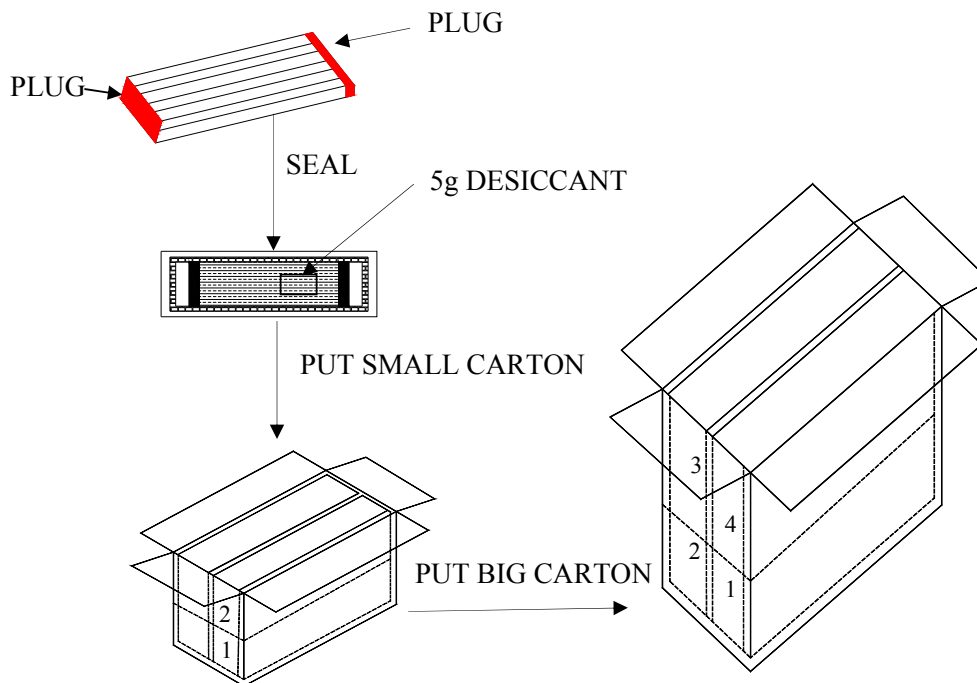
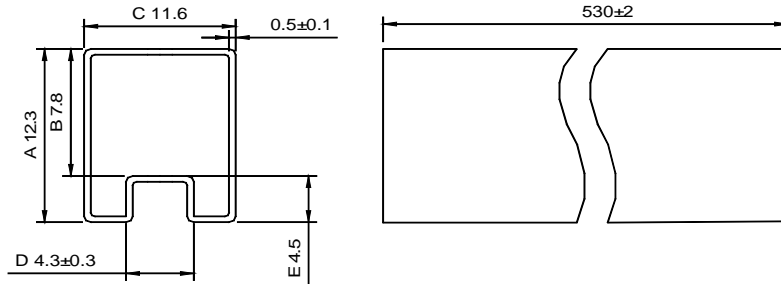
**Part No. H2002DG**

**B. SCHEMATIC :**



**C. ELECTRICAL SPECIFICATION @25°C**

ITEM	SPECIFICATION	TEST CONDITION	TEST EQUIPMENT
INDUCTANCE :	350uH MIN.	100KHz 0.2V 8mA DC Bias	TH2819XB OR EQU.
LEAKAGE INDUCTANCE :	0.50uH MAX.	100KHz 0.2V	TH2819XB OR EQU.
INTERWINDING CAPACITANCE :	50pF TYP.	100KHz 0.2V	TH2819XB OR EQU.
DC RESISTANCE :	1.2Ω MAX.	AT 25 °C	TH2819XB OR EQU.
TURNS RATIO :	1CT:1CT±2%		TH2819XB OR EQU.
POLARITY :	1-20,4-17,6-15,9-12 IN-PHASE		
INSERTION LOSS :	-1.1dB MAX.	0.5-100 MHz	E5061A OR EQU.
RETURN LOSS :	-18dB MIN.	0.5-30 MHz	E5061A OR EQU.
	-18+20*log(f/30)dB MIN.	30.1-60MHz	
	-12dB MIN.	60.1-80MHz	
CROSS TALK :	-35dB MIN.	0.5-40 MHz	E5061A OR EQU.
	-33+20*log(f/50)dB MIN.	40.1-100 MHz	
CMRR :	-30dB MIN.	0.5-100 MHz	E5061A OR EQU.
ISOLATION HI-POT :PRI TO SEC	1500VAC	1mA,60S	7152AB OR EQU.
	1650VAC	1mA,6S	
OPERATING TEMPERATURE	0°C TO 70°C		

**PACKAGE**
**Part No. H2002DG**
**D. PACKING:**
**a. PACKAGING AS BELOW (ONLY FOR A REFERENCE):**

**b. Q'TY:**

- 24 PCS PER TUBE
- 5 TUBES PER BUNDLE (120 PCS)
- 10 BUNDLES PER BAG (1200 PCS)
- 1 BAG PER SMALL CARTON
- 4 SMALL CARTON PER BIG CARTON(4800 PCS)

**c. LABEL:**

**REMARK:**

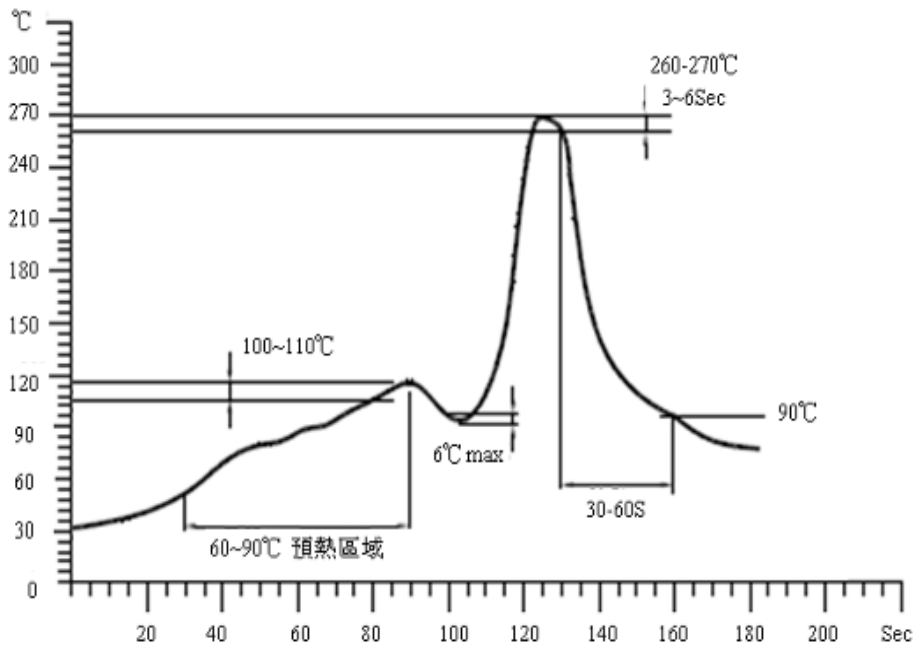
ABOVE PACKING IS FOR YOUR REFERENCE ONLY, WHICH MIGHT BE CHANGED WITHOUT NOTICE.

**MATERIAL LIST**
**Part No. H2002DG**
**E.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>
<b>1</b>	<b>CORE</b>	<b>Mn-Zn</b>	-----	<b>YEAN SHING</b>	<b>N/A</b>
			-----	<b>ZHONGSHAN CRC ELECTRONICS FACTORY</b>	<b>N/A</b>
		<b>Ni-Zn</b>	-----	<b>YEAN SHING</b>	<b>N/A</b>
			-----	<b>ZHONGSHAN CRC ELECTRONICS FACTORY</b>	<b>N/A</b>
<b>2</b>	<b>COPPER WIRE</b>	<b>QPN180</b>	<b>180℃</b>	<b>ZHUHAI SUNTEK WIRE CO.,LTD</b>	<b>E234867</b>
		<b>Polysol 180</b>	<b>180℃</b>	<b>ELEKTRISOLA(MALAYSIA) SDN.BHD.</b>	<b>E258243</b>
<b>3</b>	<b>CASE</b>	<b>PF2A5-151J(b)</b>	<b>V-0</b>	<b>CHANGSHU SOUTH-EAST PLASTIC CO.,LTD</b>	<b>E136137</b>
		<b>T378J</b>	<b>V-0</b>	<b>CHANG CHUN CHEMICAL(ZHANGZHOU) CO.,LTD.</b>	<b>E59481</b>
<b>4</b>	<b>PIN</b>	<b>CP WIRE</b>	-----	<b>HIFAM</b>	<b>N/A</b>
<b>5</b>	<b>EPOXY</b>	<b>3300A/B</b>	-----	<b>DONGGUAN EATTO ELECTRONIC MATERIAL CO.,LTD</b>	<b>E218090</b>

**RECOMMENDED SOLDERING PROFILE****Part No. H2002DG****a. RECOMMENDED WAVE SOLDERING PROFILE:****CONDITION:**



- a.1. AVAILABLE FOR ALL THE THROUGH HOLE PARTS
- a.2. SOLDERING METHOD: WAVE SOLDERING
- a.3. SOLDER: Sn-0.7Cu
- a.4. THE RECOMMENDED WAVE SOLDERING CURVE IS AS BELOW

**b. MOISTURE SENSITIVE LEVEL:**






- b.1. LEVEL: 1
- b.2. SHELF LIFE: UNLIMITED
- b.3. STORAGE CONDITION:  $\leq 30^{\circ}\text{C}/85\% \text{RH}$

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View H2002DG on WIN SOURCE](#)
-  [Mentech Technology USA Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management