




THE DATASHEET OF G3601DG



Product Specification for Approval

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

CUSTOMER	:	_____	
DESCRIPTION	:	100/1000 BASE-T QUAD PORT THROUGH HOLE MAGNETICS	
MNC P/N	:	G3601DG	
VERSION	:	A0	
CUSTOMER P/N	:	_____	
ISSUED DATE	:	2020/04/27	
PHOTO OF PRODUCT	:		
WEIGHT	:		4.48g
MADE IN	:		CHINA

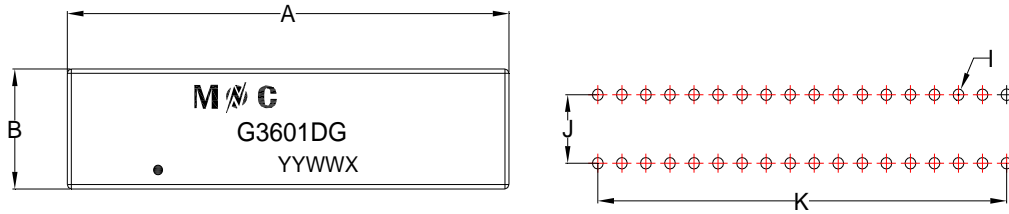
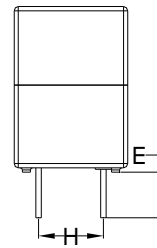
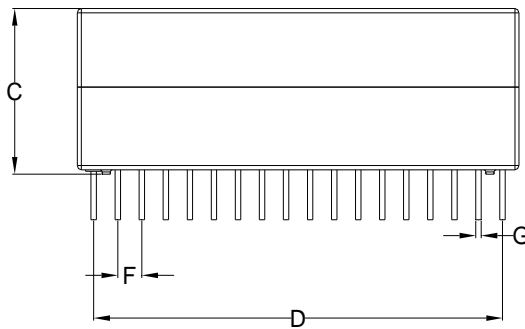


APPROVED BY MNC			APPROVED BY CUSTOMER
PREPARED BY	CHECKED BY	APPROVED BY	SIGNATURE OR STAMP
			

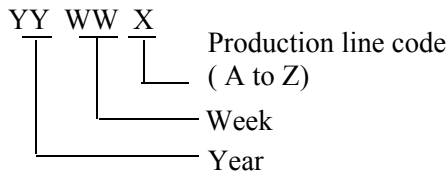
1. PLEASE SEND BACK US A COPY OF THE SPECIFICATION WITH YOUR STAMP OR SIGNATURE ONCE THE SAMPLES APPROVED.
2. IT WILL BE DEEMED THE SAMPLES TO BE APPROVED IF NO FEEDBACK.

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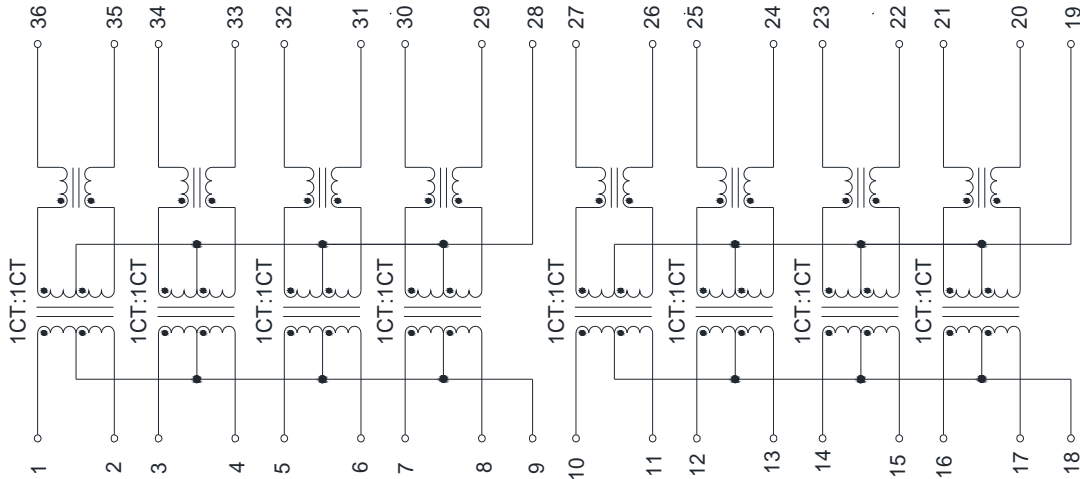
SPECIFICATION
Part No. G3601DG
A. MECHANICAL :

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	32.20	32.70	33.20	1.268	1.287	1.307
B	7.90	8.40	8.90	0.311	0.331	0.350
C	/	/	12.00	/	/	0.472
D	29.76	30.26	30.76	1.172	1.191	1.211
E	2.90	3.20	3.50	0.114	0.126	0.138
F	/	1.78	/	/	0.070	/
G	/	0.40	/	/	0.016	/
H	4.30	4.80	5.30	0.169	0.189	0.209
I	/	0.80	/	/	0.031	/
J	/	4.80	/	/	0.189	/
K	/	30.26	/	/	1.191	/

SPECIFICATION
Part No. G3601DG
B. SCHEMATIC :

C. ELECTRICAL SPECIFICATION @25°C

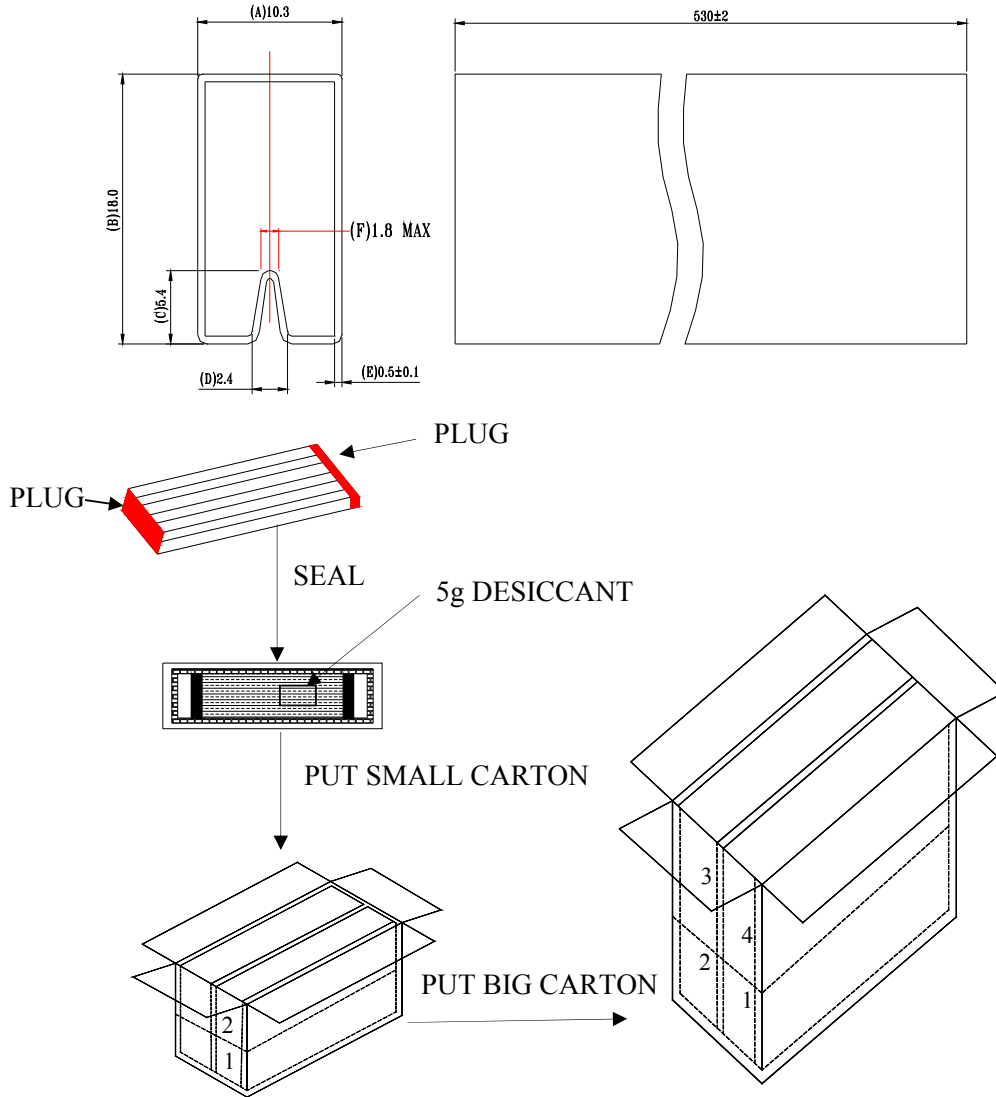
ITEM	SPECIFICATION	TEST CONDITION	TEST EQUIPMENT
INDUCTANCE :	350uH MIN.	100KHz 0.2V 8mA DC Bias	TH2819XB OR EQU.
LEAKAGE INDUCTANCE :	0.50uH MAX.	100KHz,0.2V	TH2819XB OR EQU.
INTERWINDING CAPACITANCE :	100pF TYP.	100KHz,0.2V	TH2819XB OR EQU.
DC RESISTANCE :	1.2Ω MAX.	AT 25 °C	TOS 8020 OR EQU.
TURNS RATIO :	1CT:1CT±5%		TH2819XB OR EQU.
POLARITY :	1-36,3-34,5-32,7-30,10-27,12-25,14-23,16-21 IN-PHASE		
INSERTION LOSS :	-1.1dB MAX.	0.5-100 MHz	E5061A OR EQU.
RETURN LOSS :	-18dB MIN.	0.5-40 MHz	E5061A OR EQU.
	-12+20log(f/80)dB MIN.	40.1-100 MHz	
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. G3601DG

D. PACKING:

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



b. Q'TY:

- 15 PCS PER TUBE
- 4 TUBES PER BUNDLE (60 PCS)
- 12 BUNDLES +2 TUBES PER BAG (750 PCS)
- 1 BAG PER SMALL CARTON
- 4 SMALL CARTON PER BIG(3000PCS)

c. LABEL:



REMARK:

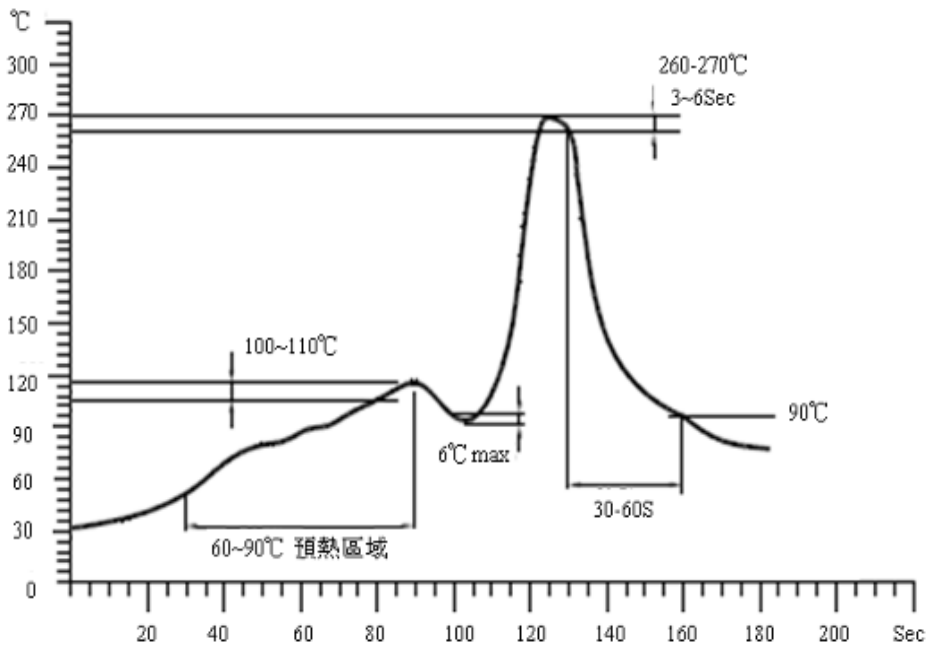
ABOVE PACKING IS FOR YOUR REFERENCE ONLY, WHICH MIGHT BE CHANGED WITHOUT NOTICE.

MATERIAL LIST
Part No. G3601DG
E.BOM

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

RECOMMENDED WAVE SOLDERING PROFILE**Part No. G3601DG****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?

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-  [Mentech Technology USA Inc. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

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