

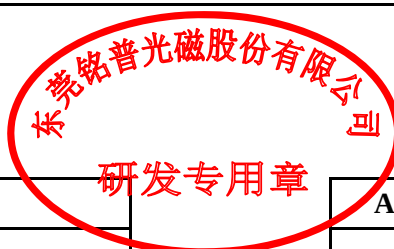
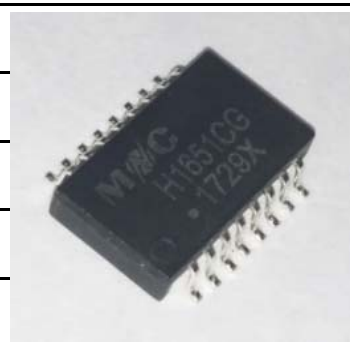


THE DATASHEET OF H1651CG

Product Specification for Approval

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

CUSTOMER	:	
DESCRIPTION	:	10/100 BASE-T TRANSFORMER
MNC P/N	:	H1651CG
VERSION	:	A0
CUSTOMER P/N	:	
ISSUED DATE	:	2020/04/27
PHOTO OF PRODUCT	:	
WEIGHT	:	0.27g
MADE IN	:	CHINA



APPROVED BY MNC			APPROVED BY CUSTOMER
PREPARED BY	CHECKED BY	APPROVED BY	SIGNATURE OR STAMP
研发部 2020-04-27 符晶晶	研发部 2020-04-27 肖明华	研发部 2020-04-27 何校民	

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

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HISTORY FOR REVISED SPECIFICATION**Part No. H1651CG****INDEX**

1. INDEX-----	1
2. CHANGE RECORD-----	1
3. MECHANICAL-----	2
4. SCHEMATIC-----	3
5. PACKING-----	4
6. MATERIAL LIST-----	5
7. RECOMMENDED SOLDERING PROFILE-----	6

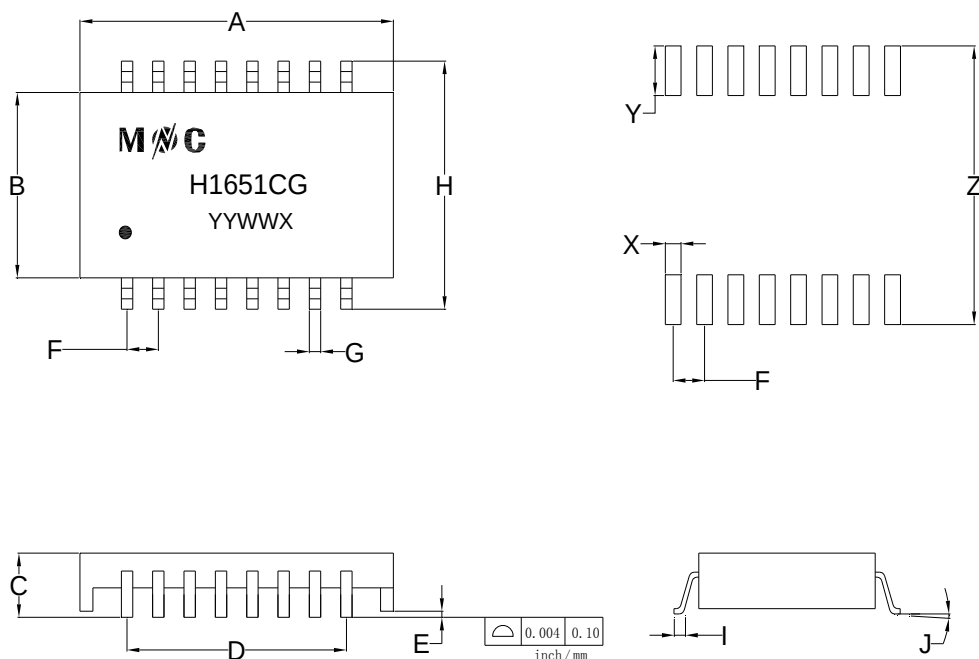
CHANGE RECORD

REV.	DESCRIPTION (Content or Reason For Change)	DATE	REVISOR
A0	INITIAL RELEASE	2020-04-27	Jingjing Fu

SPECIFICATINON

Part No. H1651CG

A. MECHANICAL :



Note: Laser printing marking

YY WW X
 └──┬──┬──
 Year Week Production line code
 (A to Z)

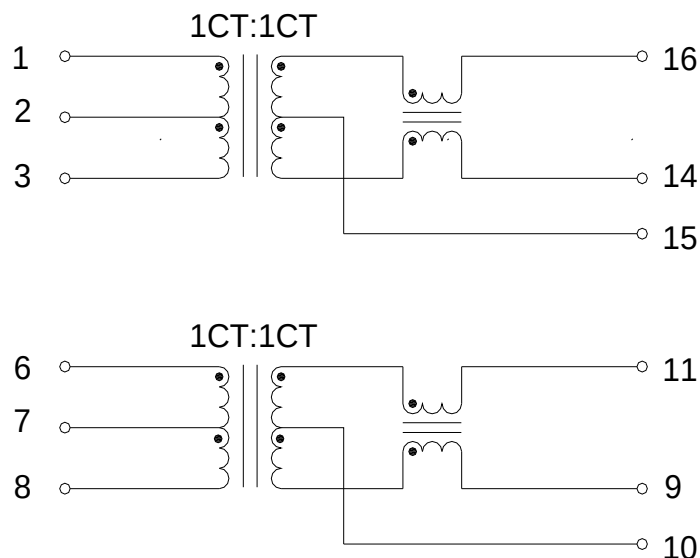
1. UNITS: mm/inch.
2. UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE: TYPICAL
3. PIN LENGTH DON'T INCLUDE SOLDER POINT

DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	12.20	12.70	13.20	0.480	0.500	0.520
B	6.60	7.10	7.60	0.260	0.280	0.299
C	/	/	2.50	/	/	0.098
D	/	8.89	/	/	0.350	/
E	0.05	0.20	0.35	0.002	0.008	0.014
F	/	1.27	/	/	0.050	/
G	/	0.46	/	/	0.018	/
H	8.95	9.45	9.95	0.352	0.372	0.392
I	/	0.76	/	/	0.030	/
J	0°	/	8°	0°	/	8°
X	/	0.76	/	/	0.030	/
Y	/	1.91	/	/	0.075	/
Z	/	10.65	/	/	0.419	/

SPECIFICATINON

Part No. H1651CG

B. SCHEMATIC :



C. ELECTRICAL SPECIFICATION @25℃

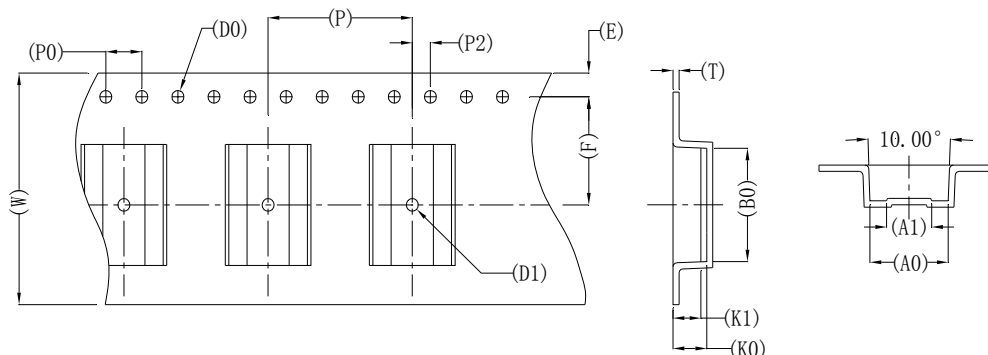
ITEM	SPECIFICATION	TEST CONDITION	TEST EQUIPMENT
INDUCTANCE :	350uH MIN.	100KHz 0.2V	TH2819XB OR EQU.
LEAKAGE INDUCTANCE :	0.50uH MAX.	100KHz 0.2V	TH2819XB OR EQU.
INTERWINDING CAPACITANCE :	25pF TYP.	100KHz 0.2V	TH2819XB OR EQU.
DC RESISTANCE :	1.2Ω MAX.	AT 25 °C	TOS 8020 OR EQU.
TURNS RATIO :	1CT:1CT±5%		TH2819XB OR EQU.
POLARITY :	1-16,6-11 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	
DCMR :	-30dB Min	0.5-100 MHz	E5061A OR EQU.
CMRR :	-30dB Min	0.5-100 MHz	E5061A OR EQU.
ISOLATION HI-POT :PRI TO SEC	1650VAC	1mA,6S	
OPERATING TEMPERATURE	0℃ TO 70℃		

PACKAGE

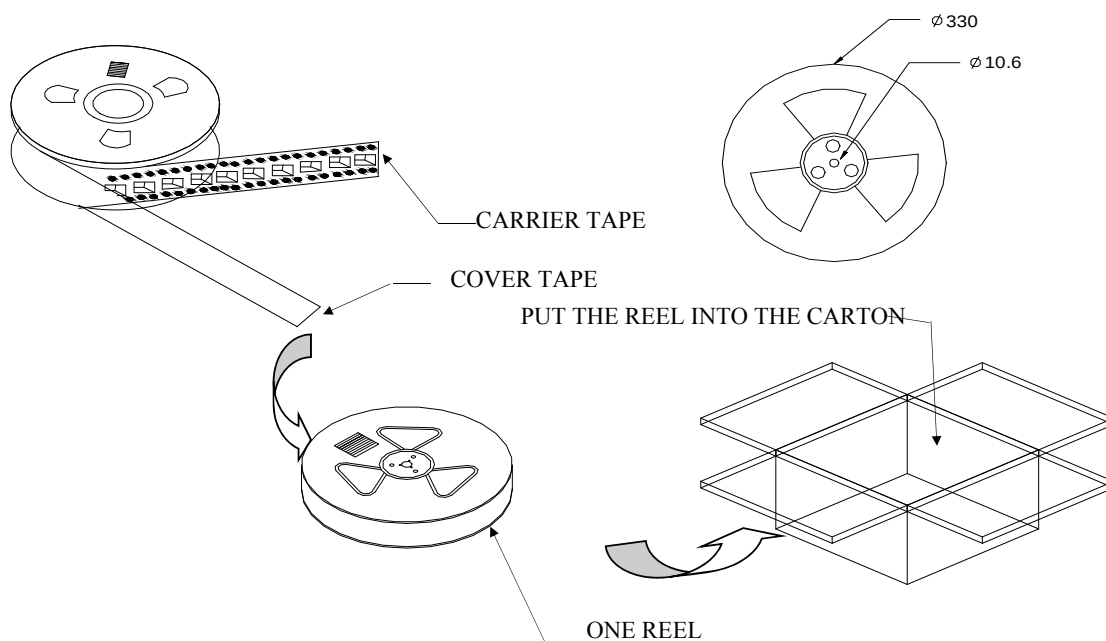
Part No. H1651CG

D. PACKING:

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



ITEM	W	A ₀	A ₁	B ₀	K ₀	K ₁	P	F	E	D ₀	D ₁	P ₀	P ₂	T
DIM	24.00 ^{+0.3} _{-0.2}	10.15±0.15	5.50±0.15	13.20±0.15	3.00±0.10	2.60±0.10	16.00±0.10	11.50±0.10	1.75±0.10	Φ1.50 ^{+0.10} _{-0.08}	Φ1.50MIN	4.00±0.10	2.00±0.05	0.30±0.05
ALTERNATE														



b. Q'TY:

1400 PCS PER REEL
 7 REEL PER CARTON
 9800 PCS PER CARTON

c. LABEL:

ACCEPTED

CUSTOMER: _____

Internal P/N: _____

QTY: _____ PCS D/C: _____

W/O: _____ FQA: _____

REMARK:

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

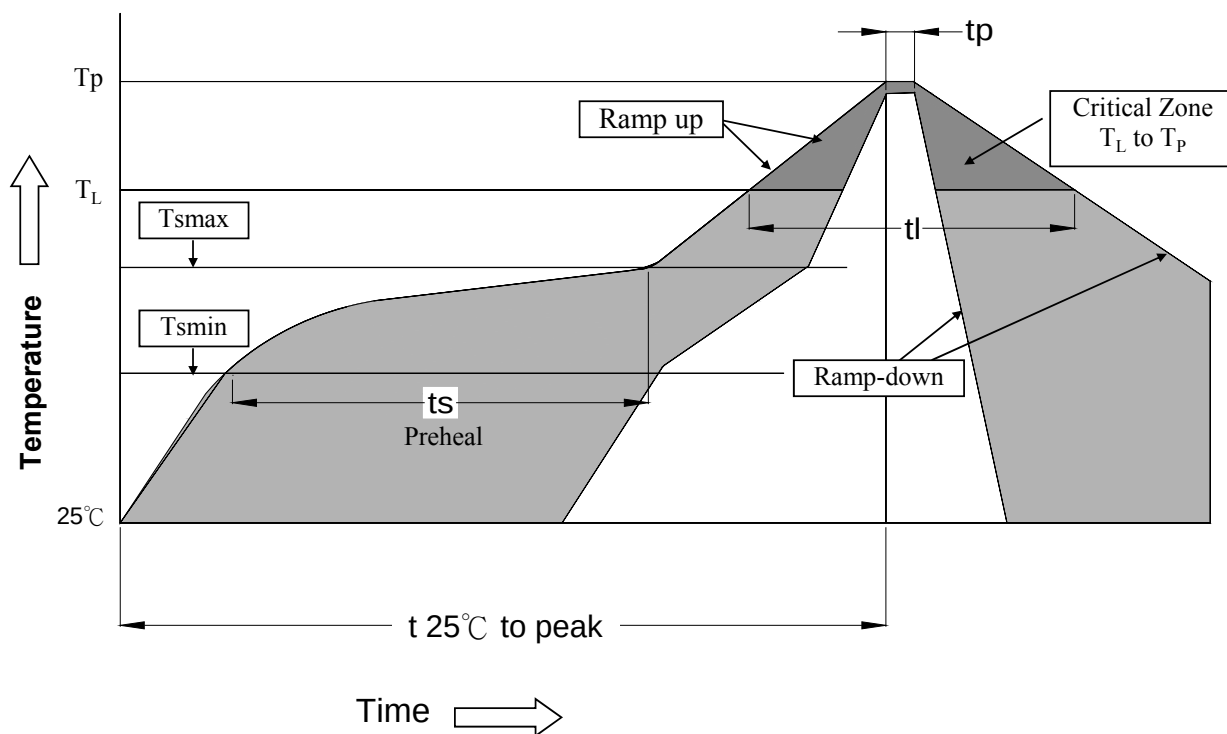
MATERIAL LIST
Part No. H1651CG
E.BOM

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	WH-9100	V-0	WAH HONG INDUSTRIAL CORP	E150608
4	PIN	C5191	-----	SHENZHEN MINGSCHIN INDUSTRIAL MATERIAL CO.,LTD	N/A

RECOMMENDED REFLOW SOLDERING PROFILE

Part No. H1651CG

a. RECOMMENDED REFLOW SOLDERING PROFILE:



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

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

$t_s = 60-180\text{s}$ $T_{smax} = 200^\circ\text{C}$ $T_{smin} = 150^\circ\text{C}$

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

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

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 H1651CG 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