

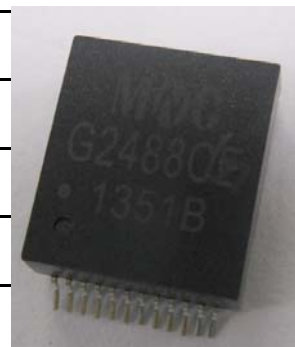


THE DATASHEET OF G2488CE

Product Specification for Approval

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

CUSTOMER	:	
DESCRIPTION	:	100/1000 BASE-T TRANSFORMER
MNC P/N	:	G2488CE
VERSION	:	A0
CUSTOMER P/N	:	
ISSUED DATE	:	2020/04/27
PHOTO OF PRODUCT	:	
WEIGHT	:	1.60g
MADE IN	:	CHINA



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

- 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. G2488CE**

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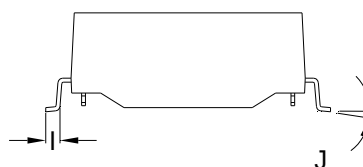
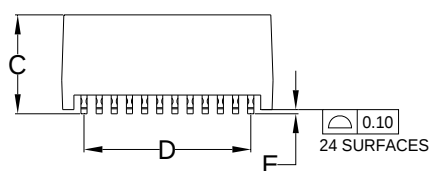
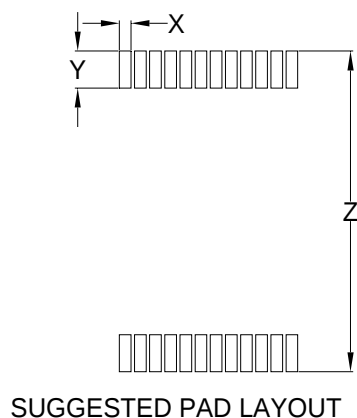
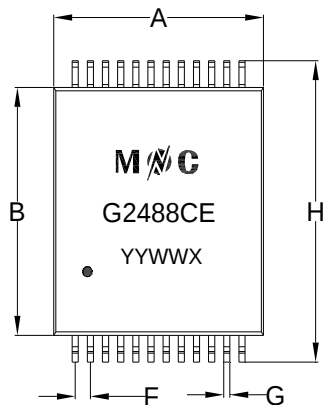
CHANGE RECORD

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

SPECIFICATION

Part No. G2488CE

A. MECHANICAL :



Note: Laser printing marking

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

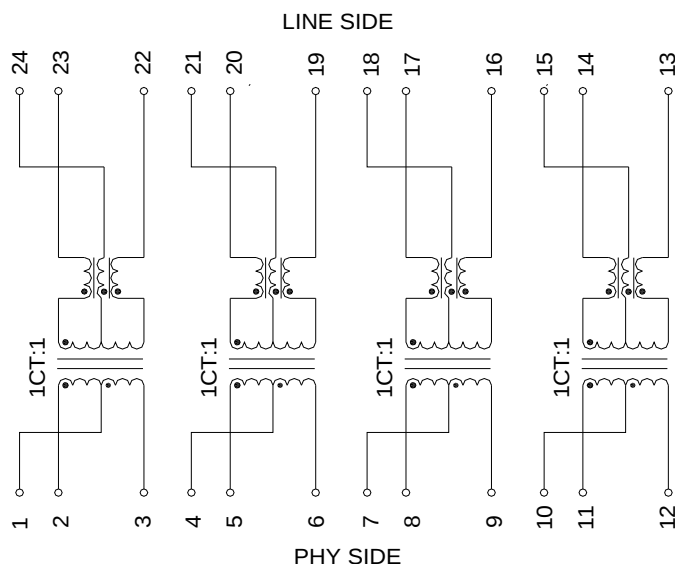
- 1.UNITS:mm/inch.
2.UNLESS OTHERWISE SPECIFIED ALL
TOLERANCES ARE: TYPICAL
3.PIN LENGTH DON'T INCLUDE SOLDER POINT

	MILLIMETERS			INCHES		
DIM	MIN	NOM	MAX	MIN	NOM	MAX
A	13.20	13.70	14.20	0.520	0.539	0.559
B	14.80	15.30	15.80	0.583	0.602	0.622
C	/	/	6.70	/	/	0.264
D	/	10.89	/	/	0.429	/
E	0.10	0.25	0.40	0.004	0.010	0.016
F	/	0.99	/	/	0.039	/
G	/	0.40	/	/	0.016	/
H	18.10	18.60	19.10	0.713	0.732	0.752
I	/	0.90	/	/	0.035	/
J	0°	/	8°	0°	/	8°
X	/	0.76	/	/	0.030	/
Y	/	2.29	/	/	0.090	/
Z	/	19.60	/	/	0.772	/

SPECIFICATION

Part No. G2488CE

B. SCHEMATIC :



C. ELECTRICAL SPECIFICATION @25°C

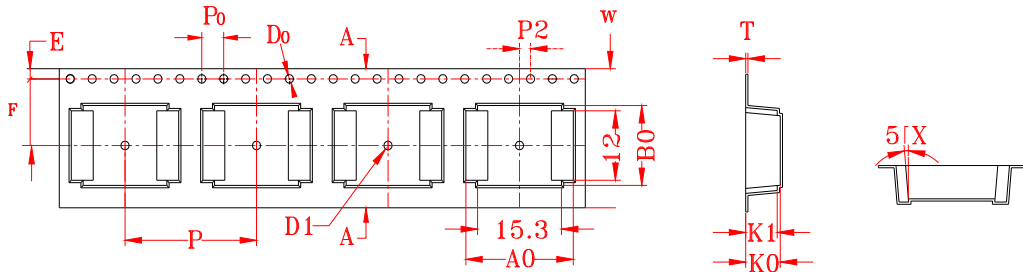
ITEM	SPECIFICATION	TEST CONDITION	TEST EQUIPMENT
INDUCTANCE :	350uH MIN.	100KHz 0.2V 8mA DC Bias	TH2819XB OR EQU.
LEAKAGE INDUCTANCE :	0.50uH MAX.	100KHz 0.2V	TH2819XB OR EQU.
INTERWINDING CAPACITANCE :	25pF TYP.	100KHz 0.2V	TH2819XB OR EQU.
DC RESISTANCE :	1.2Ω MAX.	AT 25 °C	TOS 8020 OR EQU.
TURNS RATIO :	1CT:1CT±5%		TH2819XB OR EQU.
POLARITY :	2-23,5-20,8-17, 11-14 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	-40°C TO 85°C		

PACKAGE

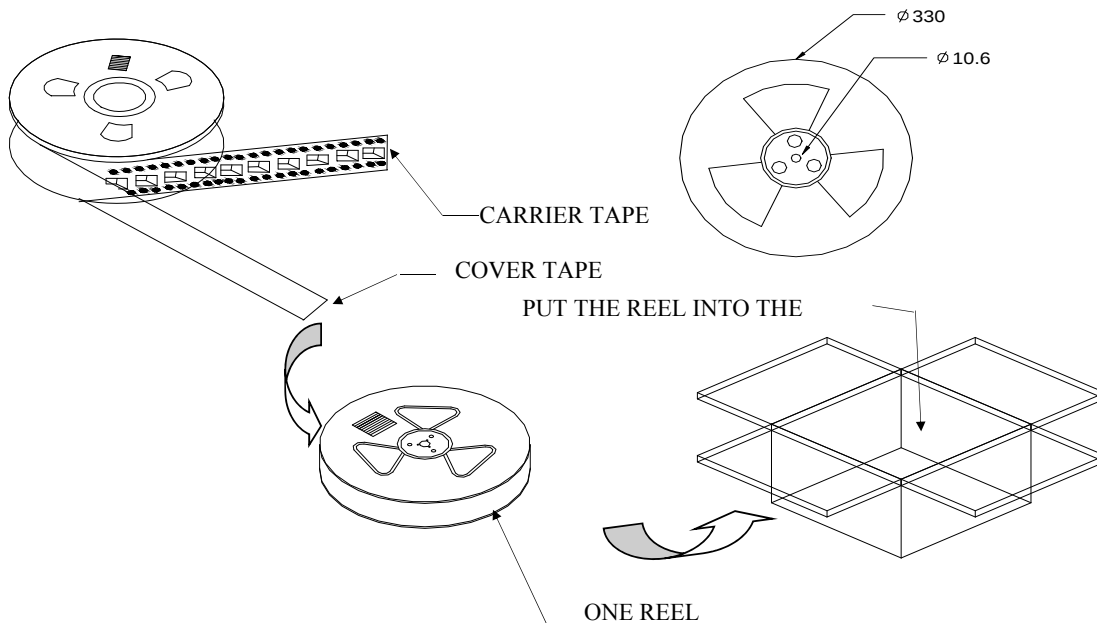
Part No. G2488CE

D. PACKING:

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



ITEM	W	A ₀	B ₀	K ₀	K ₁	P	F	E	D ₀	D ₁	P ₀	P ₂	T
DIM	24.0 ^{+0.30} _{-0.30}	19.6 ^{+0.10} _{-0.10}	13.8 ^{+0.10} _{-0.10}	6.30 ^{+0.10} _{-0.10}	5.75 ^{+0.10} _{-0.10}	24.0 ^{+0.10} _{-0.10}	11.5 ^{+0.10} _{-0.10}	1.75 ^{+0.10} _{-0.10}	1.50 ^{+0.10} _{-0.10}	1.50 ^{+0.10} _{-0.00}	4.00 ^{+0.10} _{-0.10}	2.00 ^{+0.10} _{-0.10}	0.40 ^{+0.05} _{-0.05}
ALTERNATE													



b. Q'TY:

400 PCS PER REEL
 6 REELS PER CARTON
 2400 PCS PER CARTON

c. LABEL:



REMARK:

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

MATERIAL LIST
Part No. G2488CE
E.BOM

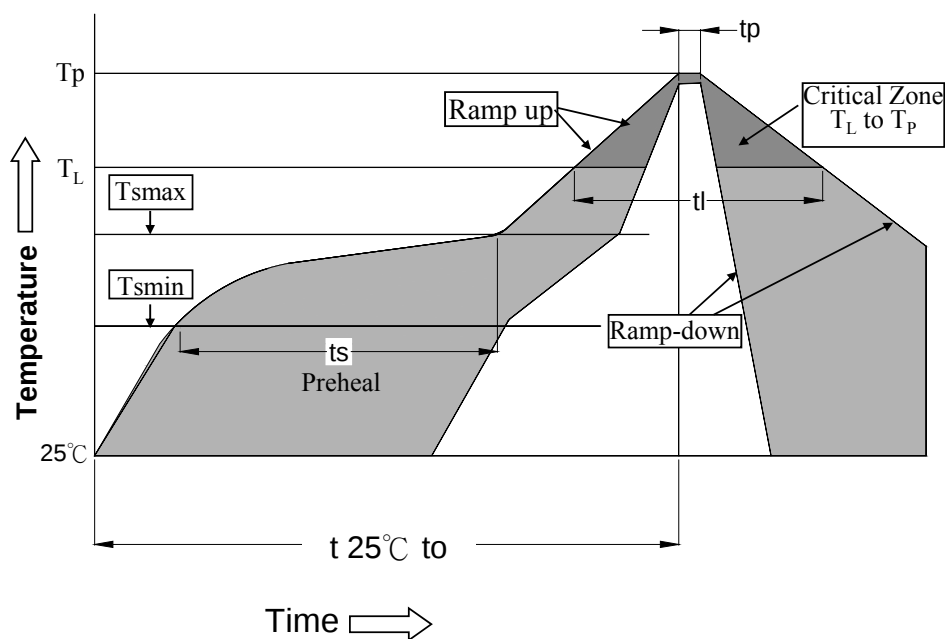
MATERIAL LIST					
NO.	ITEM	MATERIAL	RATING	SUPPLIER OF MATERIAL	UL
1	CORE	Mn-Zn	-----	YEAN SHING	N/A
			-----	ZHONGSHAN CRC ELECTRONICS FACTORY	N/A
		Ni-Zn	-----	YEAN SHING	N/A
			-----	ZHONGSHAN CRC ELECTRONICS FACTORY	N/A
2	COPPER WIRE	QPN180	180℃	ZHUHAI SUNTEK WIRE CO.,LTD	E234867
		Polysol 180	180℃	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 SOLDERING PROFILE

Part No. G2488CE

a. RECOMMENDED REFLOW SOLDERING PROFILE:

below content is only for your reference



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

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

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

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

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 [G2488CE](#) 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