

产品承认书

SPECIFICATION FOR APPROVAL

CUSTOMER : _____

CUSTOMER P/N : _____

CND-TEK P/N : **QG4850S**

DESCRIPTION : **2.5G BASE-T MAGNETICS MODULES**

REF NO: _____

REV/NO: **A/0**

DATE: **2019/5/31**

ATTACHMENT :

■ SPECIFICATION

■ SAMPLE Q'TY OF SAMPLES _____ PCS

	√	CUSTOMER'S SIGNATURE	REMARK
FULL APPROVED			
CONDITIONAL APPROVED			
REJECTED			

深圳磁联达电子有限公司

CND-TEK

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RoHS
Compliant



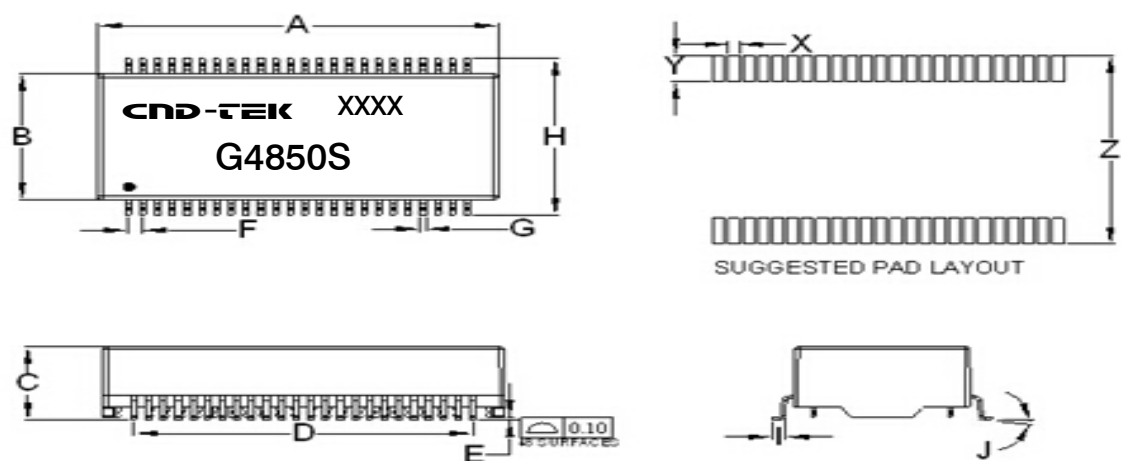
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Record of Revision

Rev.	Description of Changes	Date
A0	Initial Release	2022/1/6

A. Mechanical:

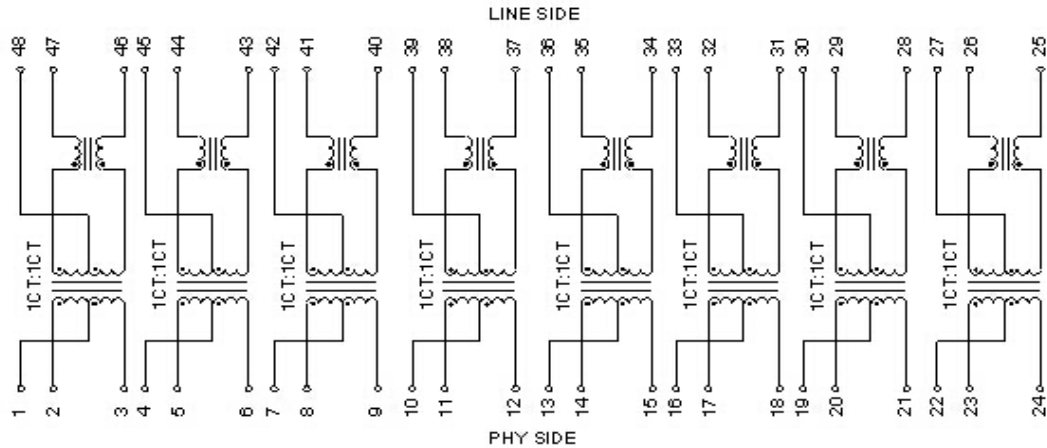


Remark: YY WW X
 └──┬──┬──┘
 └──┬──┘
 └──┘
 Production line code, none or letter from A to Z
 Week
 Year

Note : Laser printing marking

DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	27.55	27.80	28.05	1.085	1.094	1.104
B	11.95	12.20	12.45	0.470	0.480	0.490
C		/	7.50	/		0.295
D	23.21	23.46	23.71	0.914	0.924	0.933
E	0.10	0.30	0.50	0.004	0.012	0.020
F	0.77	1.02	1.22	/	0.040	/
G	0.13	0.38	0.58	/	0.015	/
H	14.99	15.24	15.49	0.590	0.600	0.610
I	0.65	0.90	1.15	/	0.035	/
J	0°	/	8°	0°	/	8°
X	/	0.64	/	/	0.025	/
Y	/	2.34	/	/	0.092	/
Z	/	16.44	/	/	0.647	/

B. Schematic:

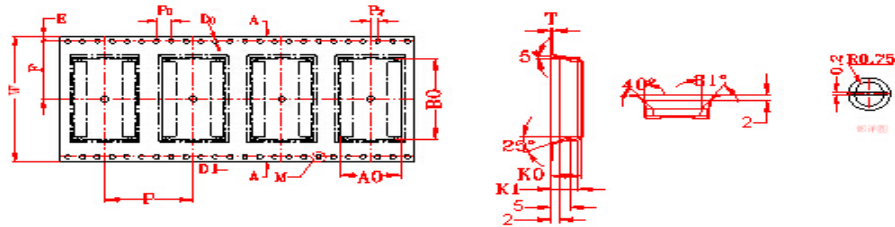


C. Electrical Specification @25°C

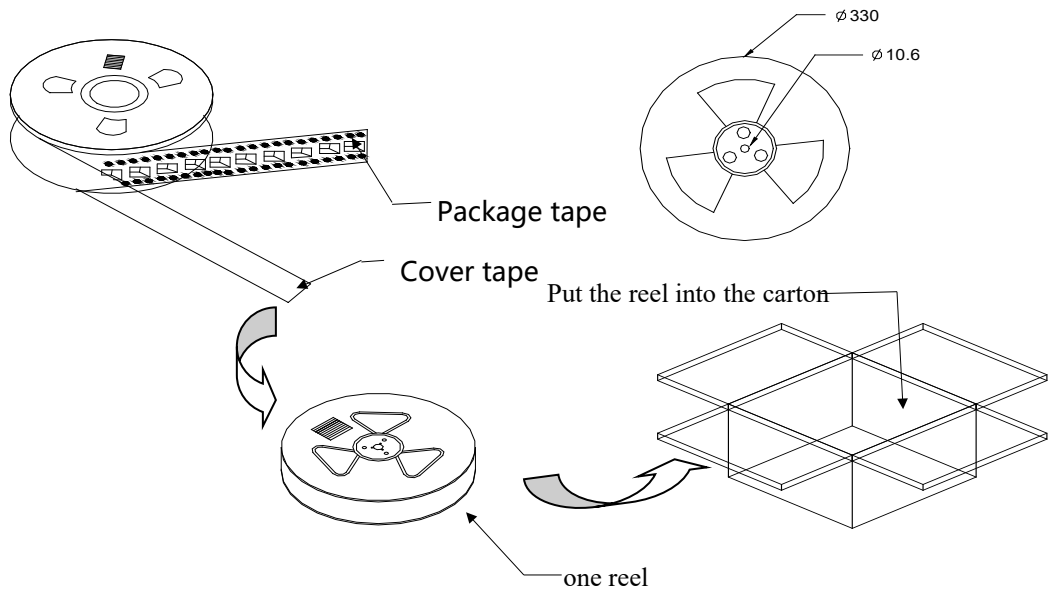
Inductance OCL:	180uH Min @ 100KHz 0.1V 8mA DC Bias
Leakage Inductance:	0.35uH Max @ 100KHz 0.1V
Interwinding Capacitance:	35pF Typ @ 100KHz 0.1V
DC Resistance:	0.9ΩMax; Secondary: 1.2ΩMax
Turns Ratio:	1CT:1CT±3%
Polarity:	1-48,4-45,7-42,10-39,13-36,16-33,19-30,22-27, In-Phase
Return Loss	1-40MHz -20dB Min 40.1-100MHz -16dB Min 100.1-200MHz -10dB Min
Cross Talk:	1-100MHz -30dB Min 100.1-200MHz -25dB Min
CMRR:	1-100MHz -30dB Min 100.1-200MHz -25dB Min
Isolation HI-POT:	1500VAC 1mA 60S or 1650VAC 1mA 6S
Operating Temperature:	-40°C TO +85°C
Product Type:	Green Product

Package Information:

1. Packaging Method is as below:



ITEM	W	A ₀	B ₀	K ₀	K ₁	P	F	E	D ₀	D ₁	P ₀	P ₂	T
DIM	44.0 ^{+0.10} _{-0.30}	16.4 ^{+0.10} _{-0.10}	28.2 ^{+0.10} _{-0.10}	8.00 ^{+0.10} _{-0.10}	7.20 ^{+0.10} _{-0.10}	24.0 ^{+0.10} _{-0.10}	20.2 ^{+0.10} _{-0.10}	1.75 ^{+0.10} _{-0.10}	1.50 ^{+0.10} _{-0.10}	1.50 ^{+0.10} _{-0.10}	4.00 ^{+0.10} _{-0.10}	2.00 ^{+0.10} _{-0.10}	0.40 ^{+0.05} _{-0.05}
ALTERNATE													

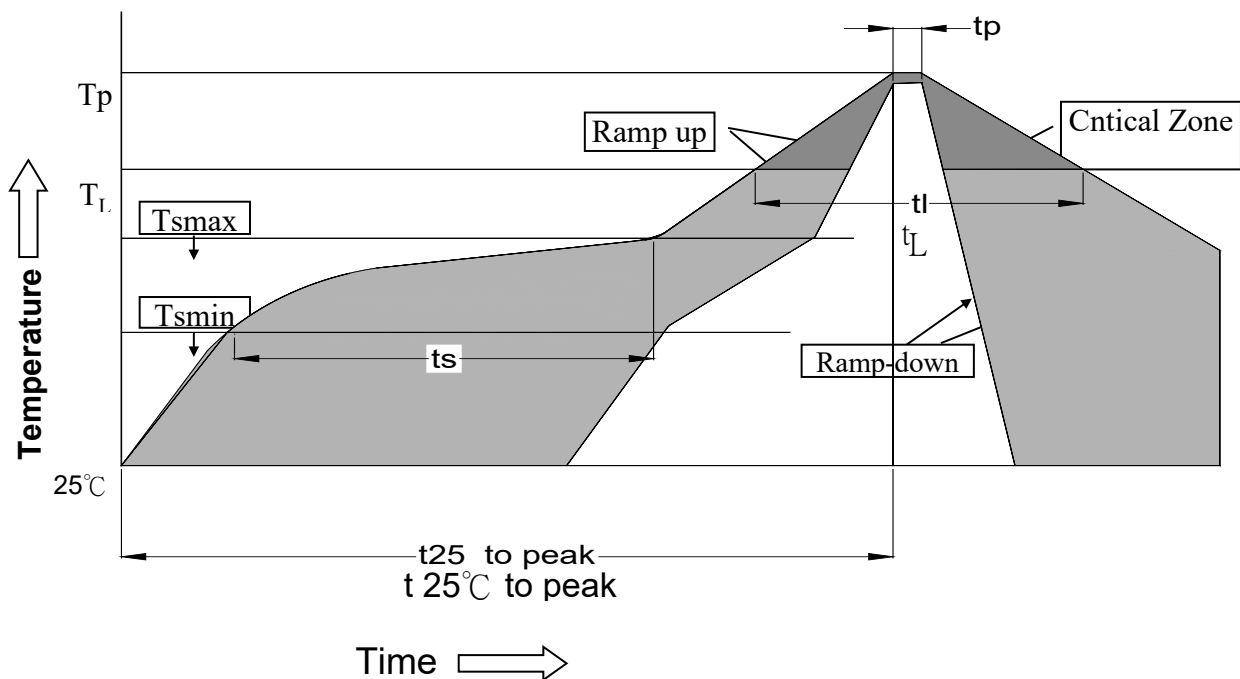


2. Package Q'ty:

3. Label:

350 units/reel
4 reel/carton
1400 units/carton

1. Recommended Reflow Soldering Curve:



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

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

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

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

Ramp up rate = 3°C/s max

Ramp down rate = 6°C/s max

*ROHS Compliant

*Solder wire SAC 305 Sn 96.5/Ag 3.0/Cu 0.5

2: Moisture Sensitive Level:

1. Level: 1

2. Floor Life: Unlimited

3. Storage Condition: $\leq 85^\circ\text{C}/85\% \text{ RH}$

Material List:

[illegible]