



PRODUCT SPECIFICATION

Attn: _____

SPEC. No: _____

DATE: Dec.17.2012

CUSTOMER PRODUCT NAME:

TDK PRODUCT NAME:

WT-1005660-12K2-A6-G

APPROVED BY:

CUSTOMER COMMENT:

REMARK:

Please sign back specification after customer conformation until 2weeks.

If customer can't sign back specification, customer should be approved TDK specification.

TDK-EPC Corporation

Head Office Address:

1-13-1, Nihonbashi, Chuo-ku, Tokyo

103-0027 , Japan

SALES

MANAGER	SALES

ENGINEERING

APPROVED	CHECKED	ISSUED

Sales Office _____

Sales Tel. _____

PRODUCT

REVISED HISTORY

CUSTOMER PRODUCT NAME: _____

TDK PRODUCT NAME: **WT-1005660-12K2-A6-G** _____

NO.	REV.	REVISED CONTENT	REVISED REASON	DATE
1	0	To establish specification		2012.12.17

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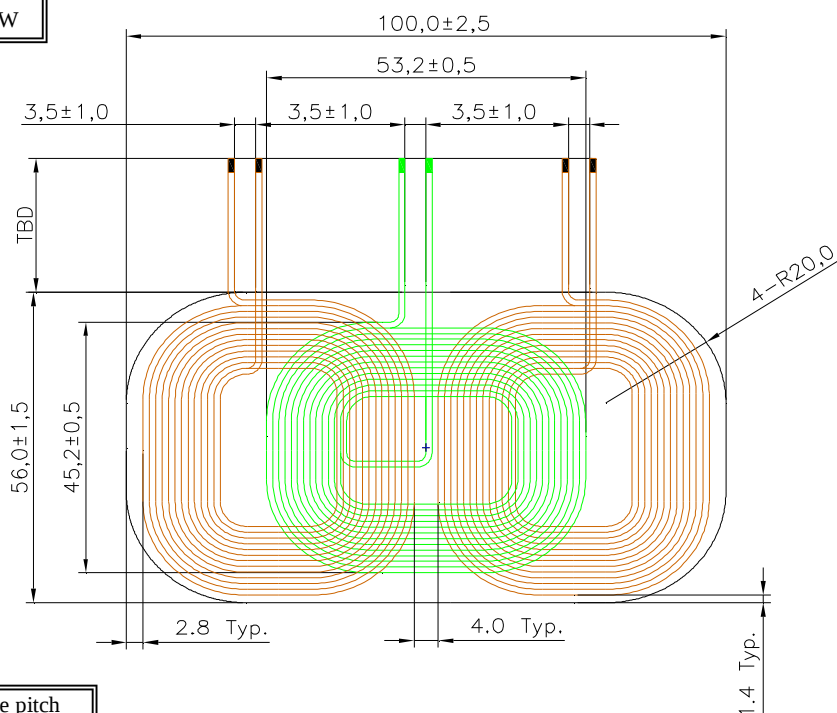
SPEC. NO.

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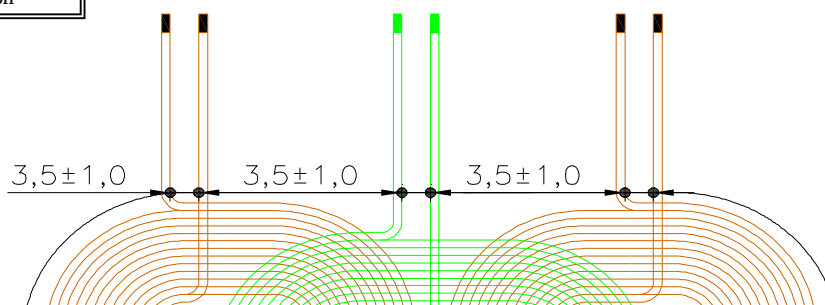
(1) Apperance & Dimensions (Unit: mm)

Weight: 46.7 g (Typ.)

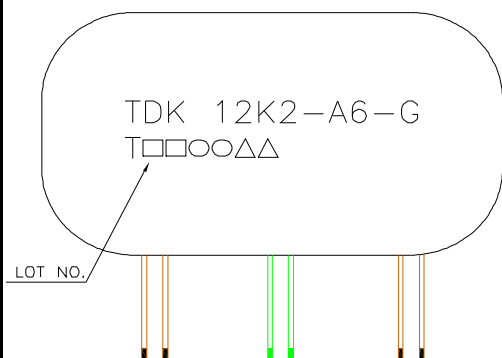
TOP VIEW



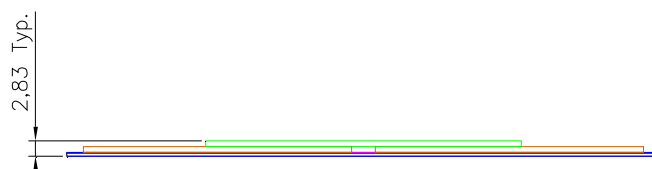
Lead wire pitch position



BOTTOM VIEW



SIDE VIEW



[Remarks]

1. Lead wire pitch is end of wire position, not output terminal.

2. Marking Content:

a. T: Manufacturing Centers

b: Lot No.: □□ ○○ △△

(1) (2) (3)

(1) Year: A.D. end number in double

(2) Month: Jan.(1), Feb.(02)...Dec.(12)

(3) Day: 01,02,03,...31.

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(2) Air coil specification

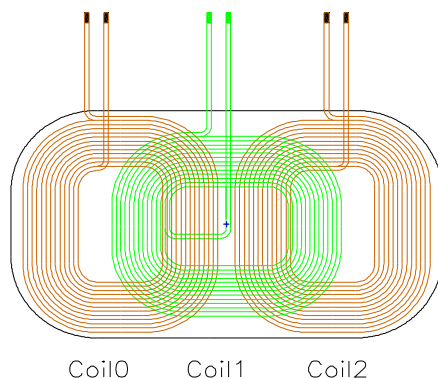
Wire Diameter: $\phi 0.08\text{mm} \times 105$ (Type2 Wire)

Coil Turns: 12TS / 1 layer

(3) Electrical Characteristics

No.	Parameter	Specification		Test Instrument
1	Inductance	Coil 0	$12.5 \mu\text{H} \pm 10\%$	HP 4284A DIGITAL LCR METER or EQUIVALENT (@100kHz 1.0 Vrms)
		Coil 1	$11.5 \mu\text{H} \pm 10\%$	
		Coil 2	$12.5 \mu\text{H} \pm 10\%$	
2	Q Value	Coil 0	70 (Min.)	HP 4284A DIGITAL LCR METER or EQUIVALENT (@100kHz 1.0 Vrms)
		Coil 1		
		Coil 2		
3	DC Resistance	Coil 0	0.08Ω (Max.) (At 25°C)	CHEN HWA 502A OHM METER or EQUIVALENT
		Coil 1		
		Coil 2		

* Remark:



(4) Temperature Characteristics

No.	Parameter	Specification
1	Operating Temperature	$-30 \sim 70^\circ\text{C}$
2	Storage Temperature	$-40 \sim 85^\circ\text{C}$

(5) Application

1. The product fit in with RoHS rule.
2. The product fit in with Halogen-Free.
3. Reflow and dip-flow soldering can not used for this product.

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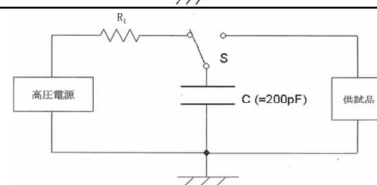
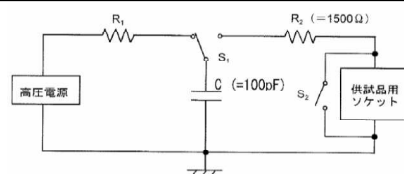
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(6) Reliability Conditions

No.	Parameter	Conditions
1	Low Temperature (Storage)	(1) Temperature : $-40\pm 2^{\circ}\text{C}$ (2) Time : 240Hrs
2	High Temperature (Storage)	(1) Temperature : $+85\pm 2^{\circ}\text{C}$ (2) Time : 240Hrs
3	Thermal Shock	(1) Temperature : $-40\pm 5^{\circ}\text{C}$ / 30min ~ $+85\pm 5^{\circ}\text{C}$ / 30min (2) Ambient Time : 5min (3) Times : 100cycles
4	Vibration	Unpacked: (1) frequency: 10~500Hz sweep 1 octave wave / 1 min (2) Amplitude: 1.5mm (p-p) or 10G (3) Direction: X.Y.Z. direction (4) Time: X.Y.Z for 2 hours each.
5	Temperature / Humidity (Storage)	(1) Temperature : $+60\pm 2^{\circ}\text{C}$ (2) Humidity: 90% RH. (3) Time: 240Hrs
6	Temperature / Humidity (OP)	(1) Temperature : $+60\pm 2^{\circ}\text{C}$ (2) Humidity: 90% RH. (3) Time: 240Hrs (4) Current: DC 1.0A (5) Frequency: 100kHz
7	Package Drop	(1) Drop the sample package in a carton box. (2) Height : 100 cm (3) Direction : 1corner, 3 edges, 6 faces (4) Drop time : 16 times
8	ESD(HBM)	(1) Test Voltage: 1000V (2) Ambient: $25\pm 5^{\circ}\text{C}$ (3) Time: Negative / Positive each 1 time (4) Resistance: 1500Ω (5) Capacitance: 100pF
9	ESD(MM)	(1) Test Voltage: 100V (2) Ambient: $25\pm 5^{\circ}\text{C}$ (3) Time: Negative / Positive each 1 time (4) Capacitance: 200pF



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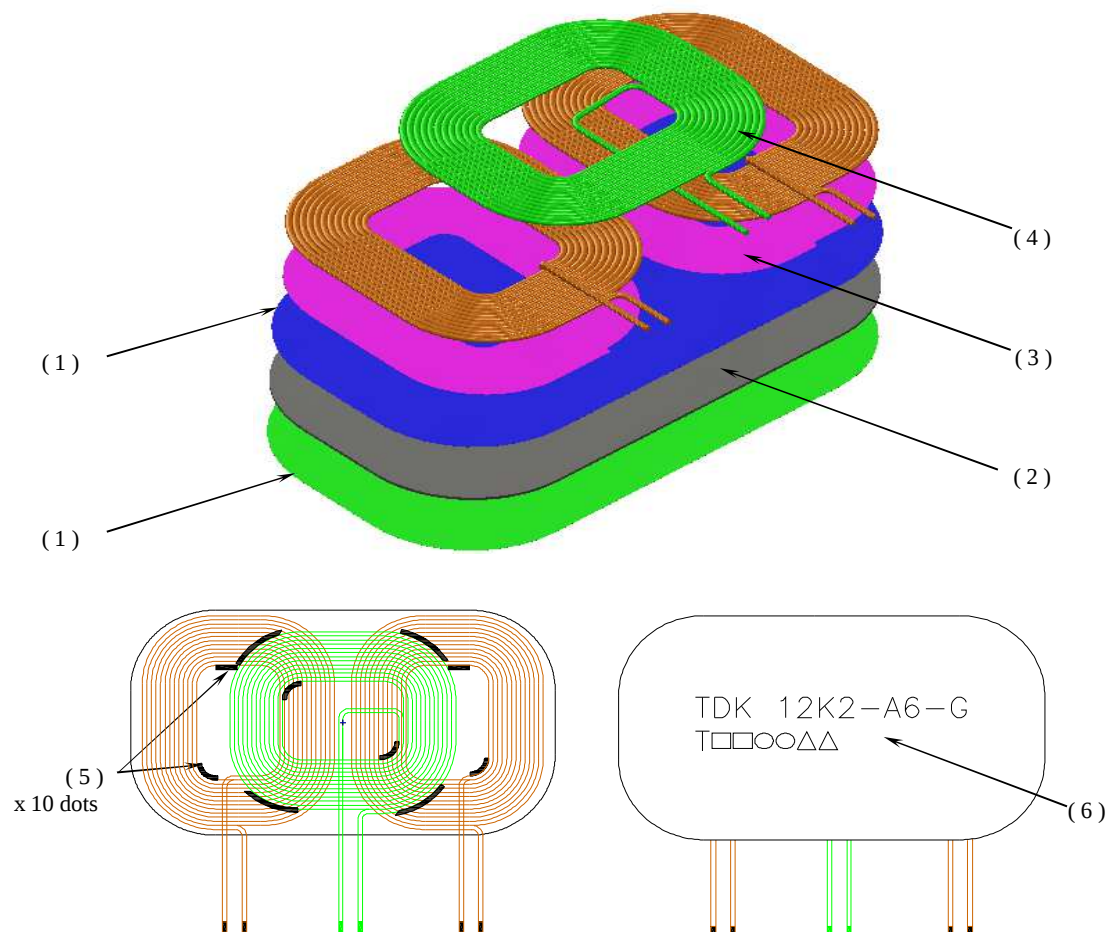
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(7) Construction



(8) Material List

No.	Material Name
1	PET Tape
2	Ferrite Sheet
3	Adhesive Tape
4	Air Coil
5	Glue
6	Ink

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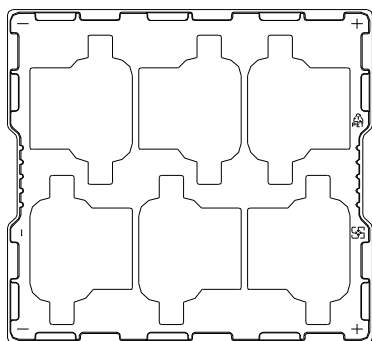
SPEC. NO.

CUSTOMER PRODUCT NAME:

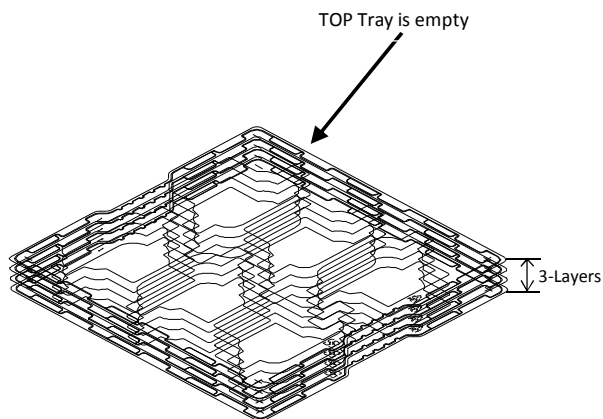
(9) Packing

1. To stack the the Trays onto 4 Layers:

- PS tray dimension: 326*329*11.0mm (REF.)
- 6 Pcs / per PS tray (REF.)



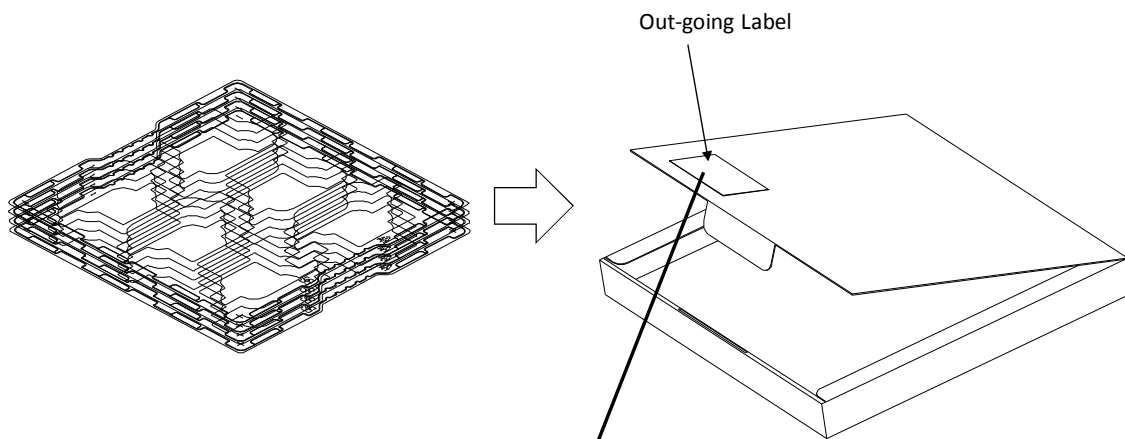
Total : 2x3=6pcs



Total : 6x2=12pcs

2. To put 2 Trays of products into the small Carton and affixing the out-going label on the outside .

- Small carton dimension: 331*337*33mm (REF.)
- 3 PS Trays / per small carton (PS tray of the top side is empty in the small carton)



CUST PROD ID(P): 123456789.		Customer	SAMPLE
QTY(Q): 72 (6P):TTXDF12345TWN273711000		ROHS	
TDK ITEM(IP): WT-1005660-12K2-A6-G		VDR(V):TDK	
LOT NO(IT): WL12K34567+M0001		DATE CODE(T): 1411	0001
2011/11/22 MADE IN TAIWAN		001/009	
(ITEM: WT-1005660-12K2-A6-G)		M/TTXDF12345	12325A0435
		TDK	(S)
		TDK TAIWAN CORPORATION	

Out-going Label

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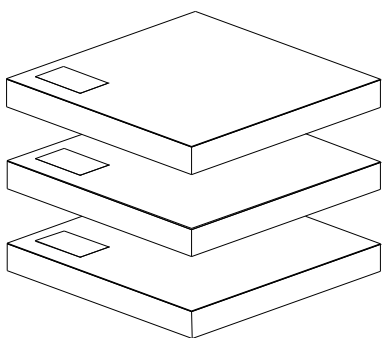
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SPEC. NO.

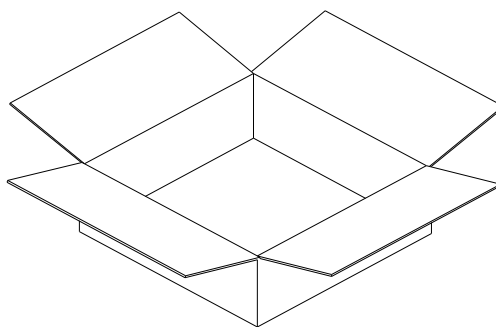
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3. To put 3 small carton into the Carton .

- Outer carton dimension: 347*340*124mm (REF.)
- 3 small cartons / per outer carton
- Total quantity : 36 Pcs (REF.)



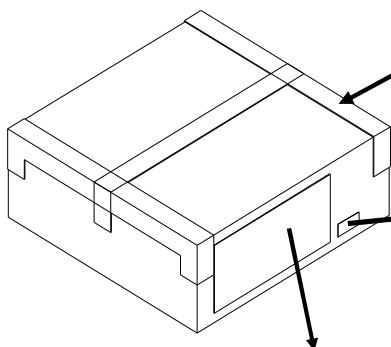
3 small cartons



Outer carton

4. Packing.

- To pack the carton by scotch tape and affix out-going label (outside) on it outside.
- The Inspection data in the box , there would be a signet mark on it outside.



scotch tape

INSPECTION DATA
ENCLOSED
檢驗紀錄表在內

signet mark of Inspection data

(3S) TTW-WL11K0600200101400000360		CUSTOMER: Customer	
		CUST. PART NO(P): 12A34567-89A	
(6S) C/NO:1	BOX COUNT		
	001/009	TDK ITEM CODE(6P): 1TXDF12345TWN	
SHIPPING MARK		P/O NO.(K): TTTT-S123456789	
ROHS			
SAMPLE Customer Location MADE IN TAIWAN WL12K34567 12345A6789		LOT NO.(1T): WL12345678	
		DATE: Nov.22.2011	
		QTY(Q): 288	
		TDK ITEM (1P): WT-1005660-12K2-A6-G (WT-1005660-12K2-A6-G)	
SUB P/O NO.(6K): 4500059424			
TDK SPEC.			
C/NO:1	WAREHOUSE	TDK TAIWAN CORPORATION	
	NW 3.6 GW 4.0	YANGMEI, TAIWAN	
		9	

out-going label (outside)