



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





PRODUCT SPECIFICATION

Attn: _____

SPEC. No: _____

DATE: Dec.17.2012

CUSTOMER PRODUCT NAME:
TDK PRODUCT NAME: WT-505060-20K2-A10-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	
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REVISED HISTORY

CUSTOMER PRODUCT NAME: _____

TDK PRODUCT NAME: **WT-505060-20K2-A10-G**

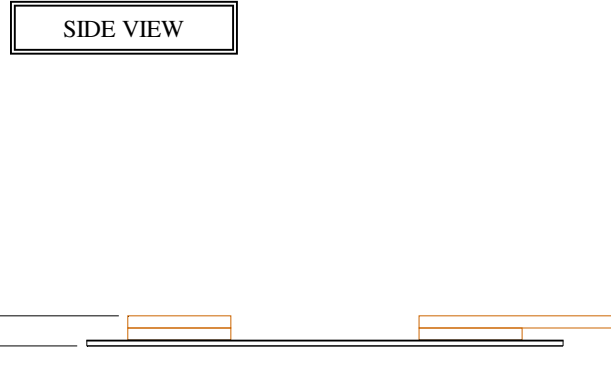
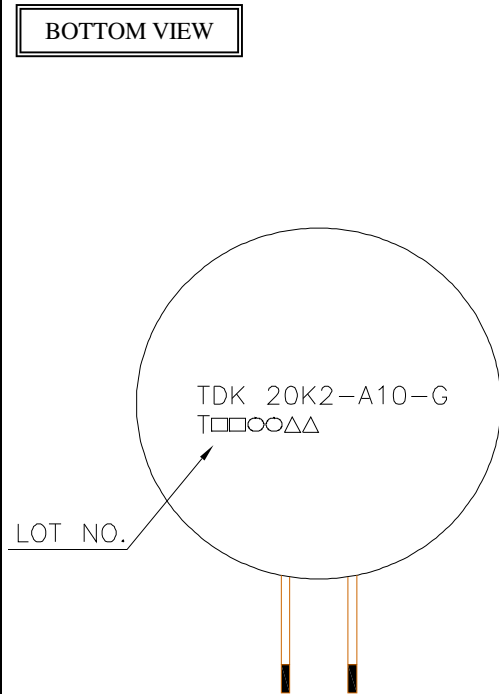
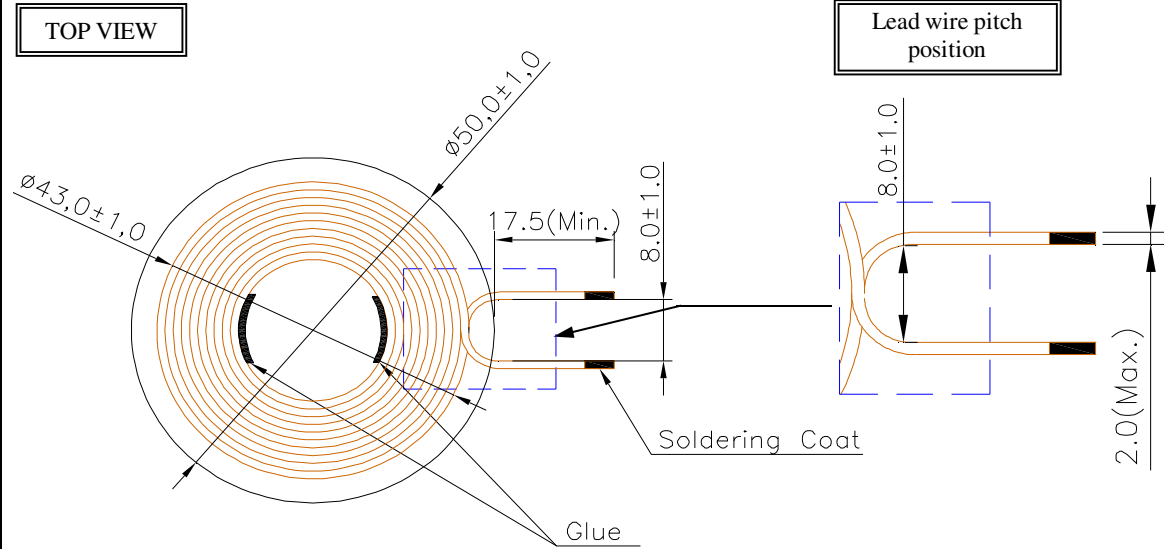
NO.	REV.	REVISED CONTENT	REVISED REASON	DATE
1	0	To establish specification		2012.12.17

PRODUCT SPECIFICATION

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(1) Apperance & Dimensions (Unit: mm)

Weight: 16.5 g (Typ.)



[Remarks]

1. Lead wire pitch is end of wire position, not ouput 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: 20TS (10Ts / 1 layer, Total 2 layers)

(3) Electrical Characteristics

No.	Parameter	Specification	Test Instrument
1	Inductance	$24 \mu\text{H} \pm 10\%$	HP 4284A DIGITAL LCR METER or EQUIVALENT (@100kHz 1.0 Vrms)
2	Q Value	80 (Min.)	HP 4284A DIGITAL LCR METER or EQUIVALENT (@100kHz 1.0 Vrms)
3	DC Resistance	0.1Ω (Max.) (At 25°C)	CHEN HWA 502A OHM METER or EQUIVALENT

(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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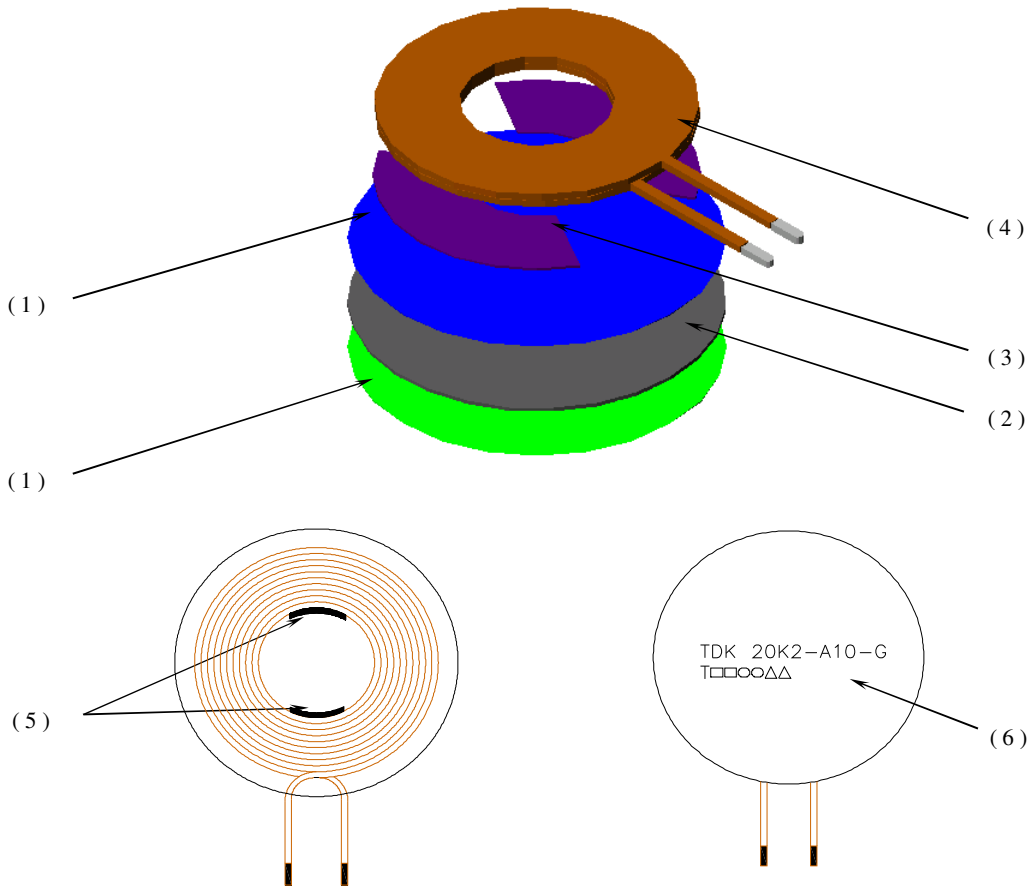
(6) Reliability Conditions

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 : $-40\pm 5^{\circ}\text{C} / 30\text{min} \sim +85\pm 5^{\circ}\text{C} / 30\text{min}$ (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: 1500 Ω (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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(7) Construction



(8) Material List

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

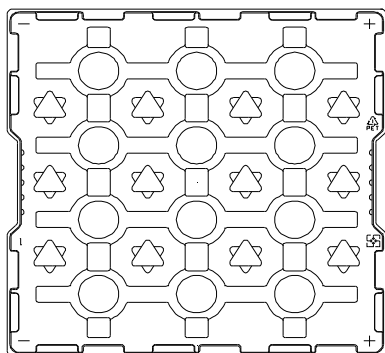
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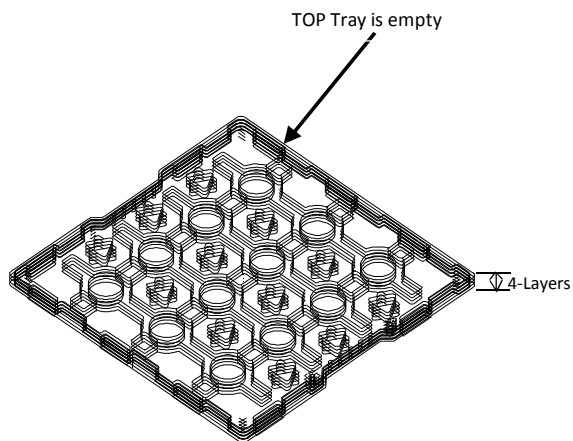
(9) Packing

1. To stack the the Trays onto 4 Layers:

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



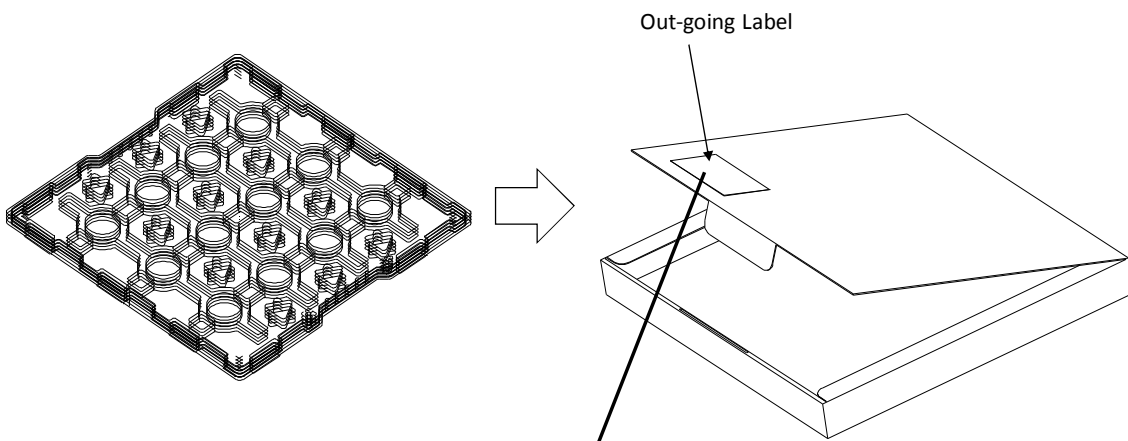
Total : 4x3=12pcs



Total : 12x3=36pcs

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.)
- 4 PET Trays / per small carton (PET tray of the top side is empty in the small carton)



Out-going Label

PRODUCT SPECIFICATION

TDK PRODUCT NAME:

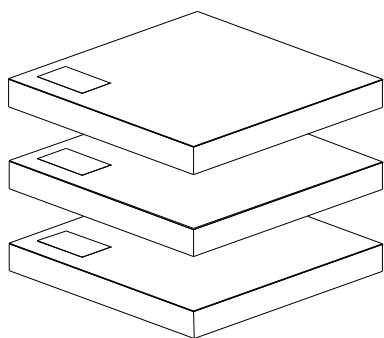
WT-505060-20K2-A10-G

SPEC. NO.

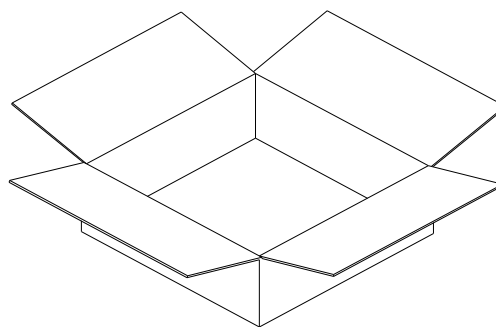
CUSTOMER PRODUCT NAME:

3. To put 3 small carton into the Carton .

- Outer carton dimension: 347*340*124mm (REF.)
- 3 small cartons / per outer carton
- Total quantity : 108 Pcs



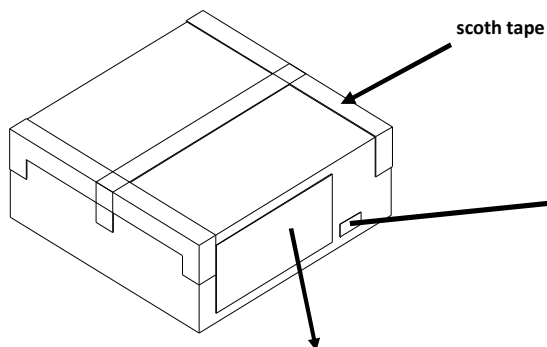
3 small cartons



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.



INSPECTION DATA
ENCLOSED
檢驗紀錄表在內

signet mark of Inspection data

(3S) TTW-WL11K0600200101400000360 		CUSTOMER: Customer	
(6S) C/NO:1		BOX COUNT	CUST. PART NO(P): 12A34567-89A
		001/009	
SHIPPING MARK		ROHS	TDK ITEM CODE(6P): TTXDF12345TWN
SAMPLE		P/O NO.(K): TTTT-S123456789	
		LOT NO.(IT): WL12345678	DATE: Nov.22.2011
		QTY(Q): 288	
Customer		TDK ITEM (IP): WT-505060-20K2-A10-G	
Location			
MADE IN TAIWAN		(WT-505060-20K2-A10-G)	
WL12K34567		SUB P/O NO.(6K): 4500059424	
12345A6789			
		TDK SPEC.	
C/NO:1	WAREHOUSE	(CT)	9
	NW 3.6 GW 4.0		TTXDF10105
		TDK TAIWAN CORPORATION YANGMEI, TAIWAN	

out-going label (outside)