



PRODUCT SPECIFICATION

Attn: _____

SPEC. No: _____

DATE: Feb.15.2012

CUSTOMER PRODUCT NAME:

TDK PRODUCT NAME:

WR-483250-15M2-XX

THIS SPECIFICATION IS:

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 CLASSIFICATION CODE	
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REVISED HISTORY

CUSTOMER PRODUCT NAME: _____

TDK PRODUCT NAME: _____

WR-483250-15M2-XX

NO.	REV.	REVISED CONTENT	REVISED REASON	DATE
1	0	To establish specification		2012.02.15

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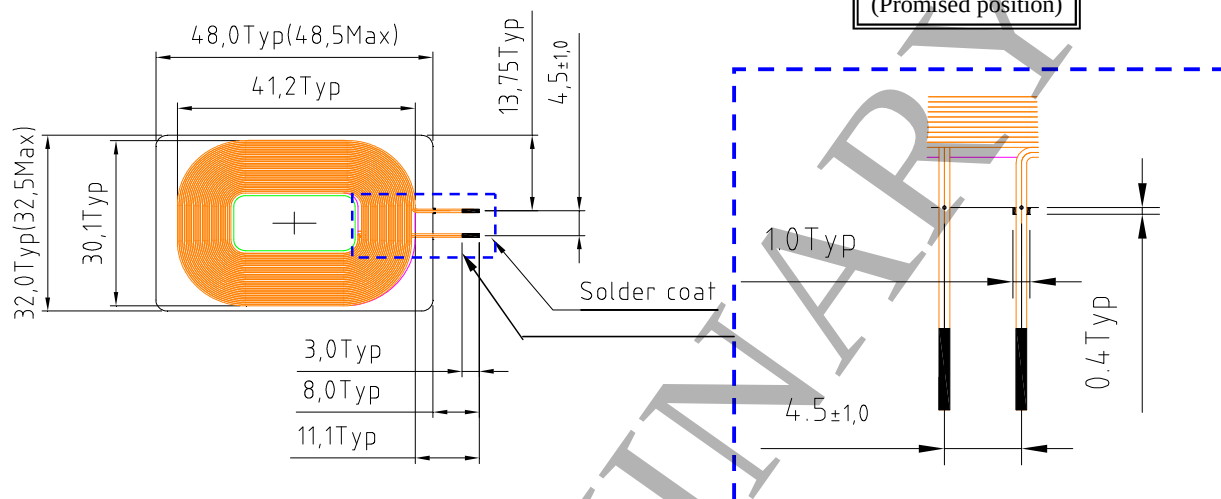
SPEC. NO.

CUSTOMER PRODUCT NAME:

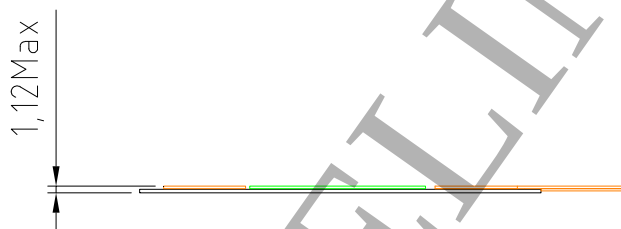
(1) Apperance & Dimensions (Unit: mm)

Weight: 6.30g (Typ.)

TOP VIEW



SIDE VIEW



[Remarks]

1. Lead Wire Pitch is the end of wire position, not Output terminal.

2. Marking Content:

a. T: TDK

b. Lot No.: □□ ○○ △△

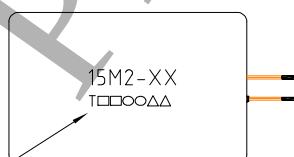
(1) (2) (3)

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

(2) Month: Jan.(01) , Feb.(02)...Dec.(12)

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

LOT NO.



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(2) Air coil specification

Wire Diameter: $\phi 0.30 \times 2$ (Bifilar Winding Coil)

Coil Turns: 15Ts

(3) Electrical Characteristics

No.	Parameter	Specification	Test Instrument
1	Inductance	$10.5 \mu\text{H} \pm 5\%$	HP 4284A DIGITAL LCR METER or EQUIVALENT (@100kHz 1.0 Vrms)
2	DC Resistance	0.20Ω Max (At 25°C)	CHEN HWA 502A OHM METER or EQUIVALENT

(4) Temperature Characteristics

No.	Parameter	Specification
1	Operating Temperature	-30 ~ 70°C
2	Storage Temperature	-40 ~ 85°C

(5) Application

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

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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 (Storage)	(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 octave wave(1 oct/ min) (2) Amplitude: 10G or 1.5mm P-P (3) Testing time : XYZ 2h/axis, total 6h
5	Shock Test	Fixed within the jig (1) Acceleration : $1000\text{m} / \text{s}^2$ (2) Pulse width : 6 msec (3) Direction : $\pm X$, $\pm Y$, $\pm Z$ (4) Frequency of shock : 3 times each (Total 18 times) Half-sine shock (1) 200G, 3ms(Gravity) (2) One shock per face (3) Total 6 shocks
6	Temperature / Humidity (Storage)	(1) Temperature : $+60\pm 2^{\circ}\text{C}$ (2) Humidity: 90% RH. (3) Time: 240Hrs
7	Drop Test	(1) Height : 160cm to the concrete floor (fixture weight : 100g(REF)) (2) Direction : 6 directions (3) Times : 3 times / direction
8	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

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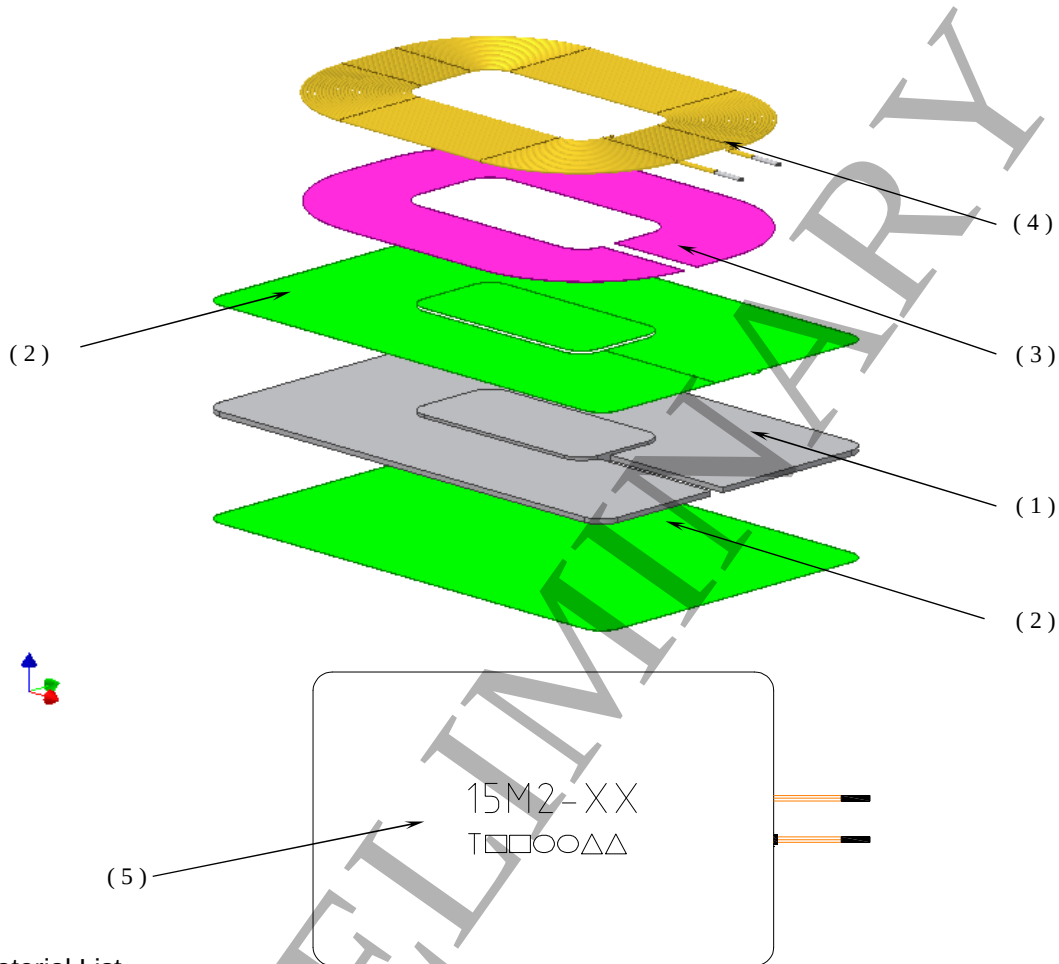
TDK PRODUCT NAME:

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SPEC. NO.

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(7)



(8) Material List

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

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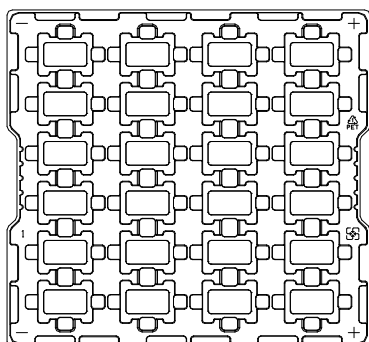
CUSTOMER PRODUCT NAME:

(9) Packing

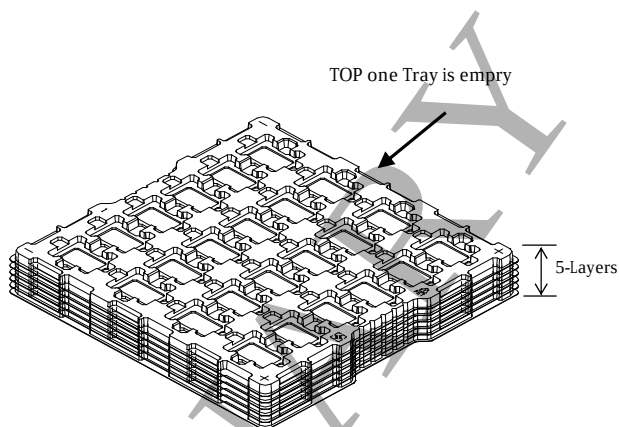
1. To stack the the Trays onto 5 Layers. :

- PET tray dimension: 326*329*9.5mm (REF.)

- 24 Pcs / per PET tray



Total : 6x4=24pcs

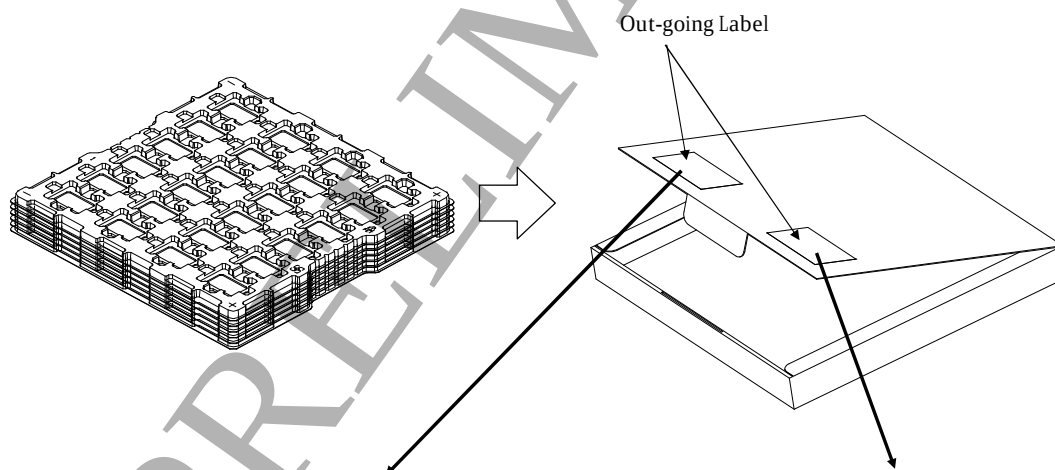


Total : 24x4=96pcs

2. To put 5 Trays of products into the small Carton and affixing the out-going label on the outside .

- Small carton dimension: 331*337*33mm (REF.)

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



CUST PROD ID(P): WR-483250-15M2-XX		SAMPLE (M)	
QTY(Q): 72	VDR(V): TDK		
LOT NO(IT): TL186224	DATE CODE(T): 1411		
(IP): TXDF10105TWN2737	2011/10/21	WR-483250-15M2-XX	
MADE IN TAIWAN		1 / 1 TDK	

Out-going Label (Inside 1)

CUST PROD ID(P): WR-483250-15M2-XX		Simcom SAMPLE	
QTY(Q): 72	(6P): TXDF10105TWN273711000	ROHS	
TDK ITEM(IP): WR-483250-15M2-XX	VDR(V): TDK		
LOT NO(IT): WL11K06001+M0001	DATE CODE(T): 1411	0001	
2011/10/07	MADE IN TAIWAN	12325A0435	
(ITEM: WR-483250-15M2-XX)		(1M)/TXDF10105 TDK TAIWAN CORPORATION	

Out-going Label (Inside 2)

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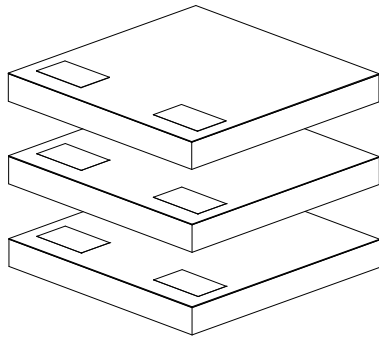
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3. To put 3 small carton into the Carton .

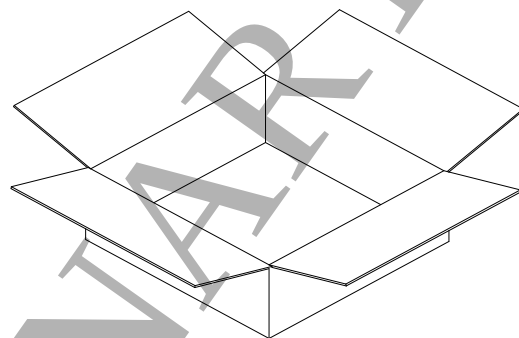
- Outer carton dimension: 347*340*124mm (REF.)

- 3 small cartons / per outer carton

- Total quantity : 288 Pcs



3 small cartons

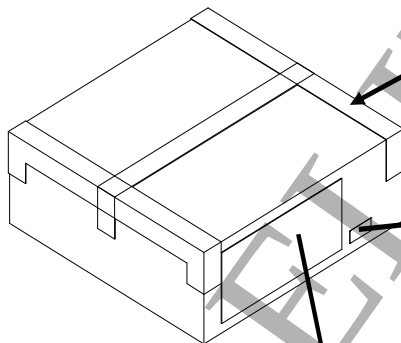


Outer carton

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 		CUST. PART NO(P): 12A34567-89A	
BOX COUNT 001/009			
ROHS		TDK ITEM CODE(6P): TXDF10105TWN	
SHIPPING MARK			
SAMPLE		P/O NO.(K): TSHV-S001016344	
Customer			
SHANGHAI		LOT NO.(IT): WL12345678	
MADE IN TAIWAN		DATE: Oct.07.2011	
WLXXXXXXXXX 12345A6789		QTY(Q): 288	
		TDK ITEM (1P): WR-483250-15M2-S-XX	
		(WR-483250-15M2-XX)	
		SUB P/O NO.(6K): 4500059424	
		TDK SPEC.	
WAREHOUSE (CT) NW 3.6 GW 4.0		TDK TAIWAN CORPORATION YANGMEI, TAIWAN 9	
① 1			
		TTXDF10105	

out-going label (outside)