



# PRODUCT SPECIFICATION

Attn: \_\_\_\_\_

SPEC. No: \_\_\_\_\_

DATE: Feb.15.2012

CUSTOMER PRODUCT NAME:

TDK PRODUCT NAME:

**WR-383250-17M2-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

|  |
|--|
|  |
|--|

## REVISED HISTORY

CUSTOMER PRODUCT NAME:

\_\_\_\_\_

TDK PRODUCT NAME:

**WR-383250-17M2-XX**

| NO. | REV. | REVISED CONTENT            | REVISED REASON | DATE       |
|-----|------|----------------------------|----------------|------------|
| 1   | 0    | To establish specification |                | 2011.12.19 |
| 2   |      |                            |                |            |
| 3   |      |                            |                |            |
|     |      |                            |                |            |
|     |      |                            |                |            |
|     |      |                            |                |            |

# PRODUCT SPECIFICATION

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**WR-383250-17M2-XX**

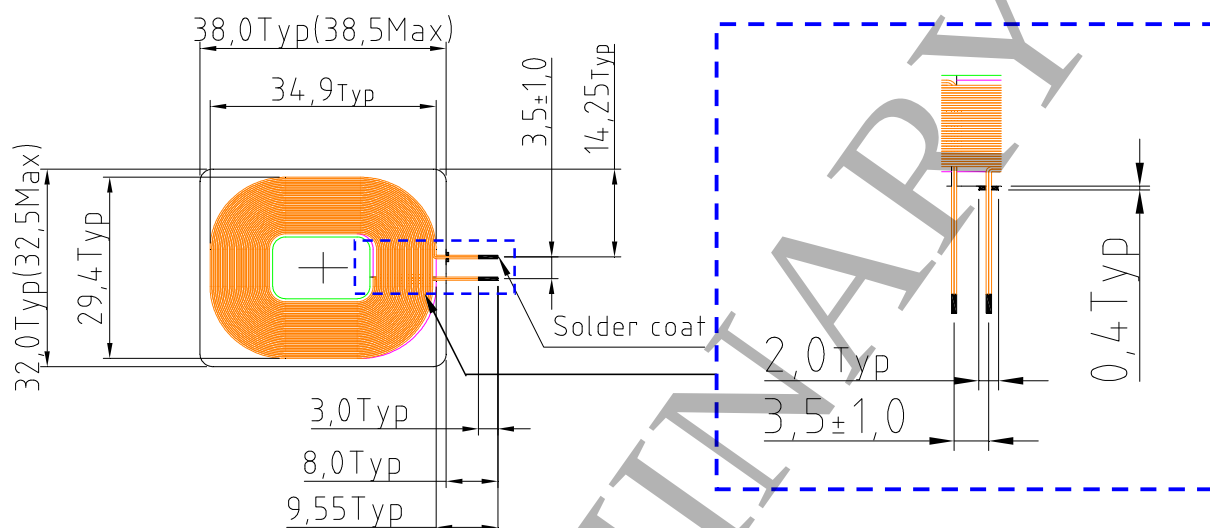
SPEC. NO.

CUSTOMER PRODUCT NAME:

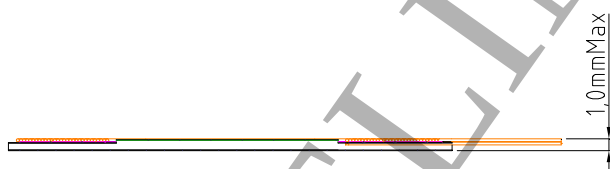
(1) Apperance &amp; Dimensions (Unit: mm)

Weight: 4.19g (Typ.)

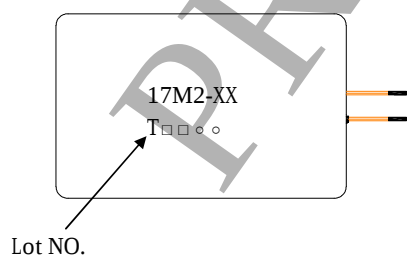
TOP VIEW

Lead wire pitch  
(Promised position)

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.

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### (2) Air coil specification

Wire Diameter:  $\phi 0.25 \times 2$  (Bifilar Winding Coil)

Coil Turns: 17Ts

### (3) Electrical Characteristics

| No. | Parameter     | Specification                   | Test Instrument                                                   |
|-----|---------------|---------------------------------|-------------------------------------------------------------------|
| 1   | Inductance    | $11.1 \mu\text{H} \pm 3\%$      | HP 4284A DIGITAL LCR METER<br>or EQUIVALENT<br>(@100kHz 1.0 Vrms) |
| 2   | DC Resistance | $0.27 \Omega$ Max<br>(At 25 °C) | CHEN HWA 502A METER<br>or EQUIVALENT                              |

### (4) Temperature Characteristics

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

### (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<br>(Storage)        | (1) Temperature : $-40\pm 2$<br>(2) Time : 240Hrs                                                                                                                                                                                                                                                               |
| 2   | High Temperature<br>(Storage)       | (1) Temperature : $+85\pm 2$<br>(2) Time : 240Hrs                                                                                                                                                                                                                                                               |
| 3   | Thermal Shock<br>(Storage)          | (1) Temperature : $-40\pm 5$ / 30min ~ $+85\pm 5$ / 30min<br>(2) Ambient Time : 5min<br>(3) Times : 100cycles                                                                                                                                                                                                   |
| 4   | Vibration                           | Unpacked:<br>(1) frequency: 10~500Hz sweep<br>octave wave(1 oct/ min)<br>(2) Amplitude: 10G or 1.5mm P-P<br>(3) Testing time : XYZ 2h/axis, total 6h                                                                                                                                                            |
| 5   | Shock Test                          | Fixed within the jig<br>(1) Acceleration : $1000\text{m} / \text{s}^2$<br>(2) Pulse width : 6 msec<br>(3) Direction : $\pm X$ , $\pm Y$ , $\pm Z$<br>(4) Frequency of shock : 3 times each<br>(Total 18 times)<br><br>Half-sine shock<br>(1) 200G, 3ms(Gravity)<br>(2) One shock per face<br>(3) Total 6 shocks |
| 6   | Temperature / Humidity<br>(Storage) | (1) Temperature : $+60\pm 2$<br>(2) Humidity: 90% RH.<br>(3) Time: 240Hrs                                                                                                                                                                                                                                       |
| 7   | Drop Test                           | (1) Height : 160cm to the concrete floor<br>(fixture weight : 160g )<br>(2) Direction : 6 directions<br>(3) Times : 3 times / direction                                                                                                                                                                         |
| 8   | Package Drop                        | (1) Drop the sample package in a carton box.<br>(2) Height : 100 cm<br>(3) Direction : 1corner, 3 edges, 6 faces<br>(4) Drop time : 16 times                                                                                                                                                                    |

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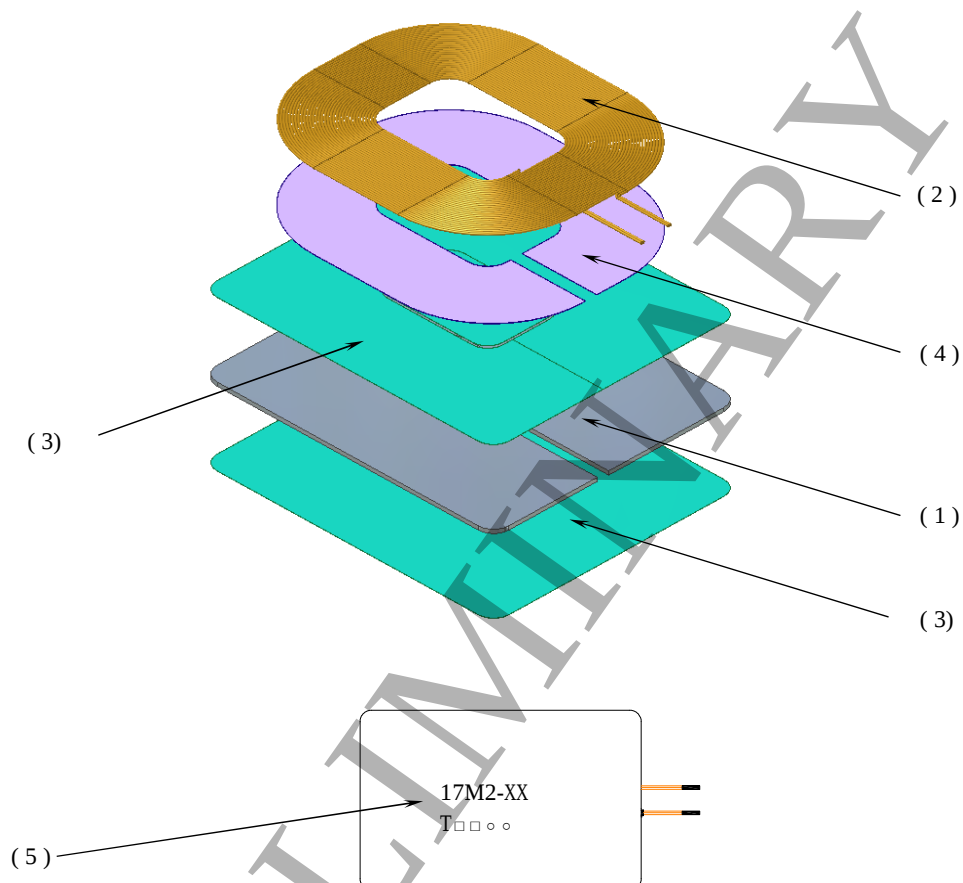
TDK PRODUCT NAME:

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## (7) Construction



## (8) Material List

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

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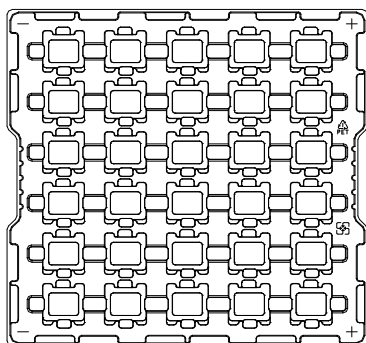
CUSTOMER PRODUCT NAME:

## (9) Packing

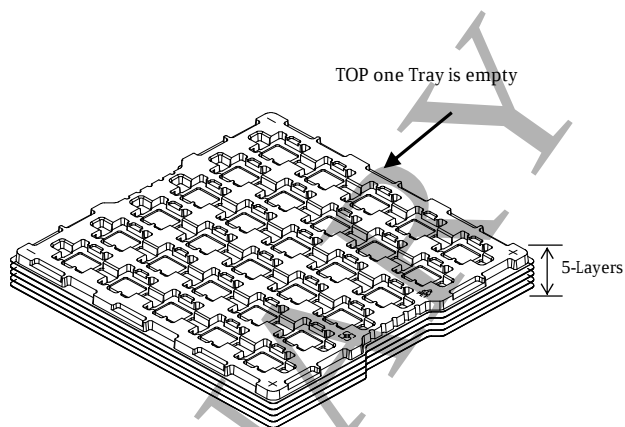
1. To stack the the Trays onto 5 Layers. :

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

- 30 Pcs / per PET tray



Total : 6x5=30 pcs

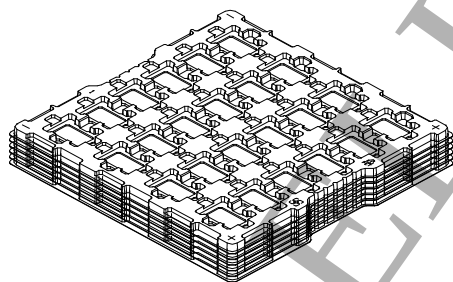


Total : 30x4=120 pcs

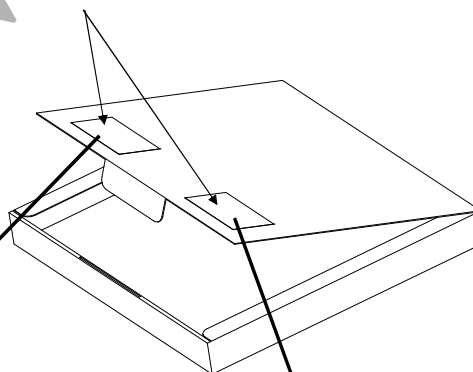
2. To put 5 Trays of products into the small Carton and affixing the out-going label on the outside .

- 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)



Out-going Label



CUST PROD ID(P): WR - 383250 - 17M2 - XX

QTY(Q): 120

LOT NO(LT): TL186225

(1P): TXDF10108TWN0500

DATE CODE(T): 1143

2011/10/21

WR-383250-17M2-XX

MADE IN TAIWAN

1 / 3

TDK

(M)

Out-going Label ( Inside 1 )

CUST PROD ID(P): WR-383250-17M2-XX

Customer

ROHS

QTY(Q): 120

(6P): TXDF10108TWN050009010

TDK ITEM(1P): R - 383250 - 17M2 - XX

LOT NO(LT): WL11K06001 + M0001

2011/10/09

DATE CODE(T): 1143

0001

001/014

12296A1181

(ITEM:WR - 383250 - 17M2 - XX) (1M)TTXDF10108

TDK TAIWAN CORPORATION

TDK

Out-going Label ( Inside 2 )

# PRODUCT SPECIFICATION

TDK PRODUCT NAME:

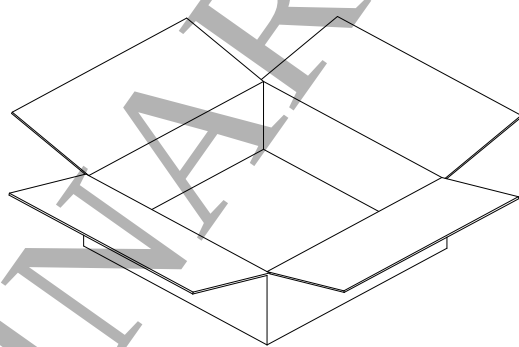
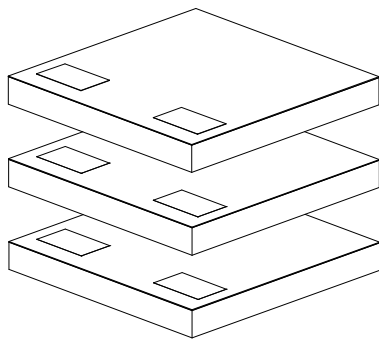
**WR-383250-17M2-XX**

SPEC. NO.

CUSTOMER PRODUCT NAME:

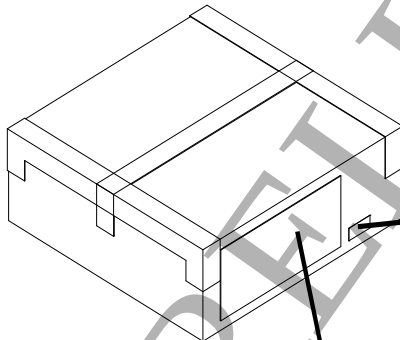
3. To put 3 small corton into the Carton .

- Outer carton dimension: 347\*340\*124mm (REF.)
- 3 small cartons / per outer carton
- Total quantity : 360 Pcs



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

|                                                                                                 |                |                                                                                          |                |    |
|-------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------|----------------|----|
| (3S) TTW+WL11K0600200101400000360                                                               |                | CUSTOMER: <b>Customer</b>                                                                |                |    |
|                                                                                                 |                | CUST. PART NO(P): 54H20323 - 00M                                                         |                |    |
| (6S) C/NO:1                                                                                     | BOX COUNT      |                                                                                          |                |    |
|                                                                                                 | <b>001/014</b> | TDK ITEM CODE(6P): TXDF10108TWN                                                          |                |    |
| SHIPPING MARK                                                                                   |                |                                                                                          |                |    |
| ROHS                                                                                            |                | P/O NO.(K): 929429 - 10                                                                  |                |    |
| <b>Customer</b><br><b>SHENZHEN</b><br><br><b>MADE IN TAIWAN</b><br>WL11K06002<br>12296A1181<br> |                | LOT NO.(1T): WL11K06002                                                                  |                |    |
|                                                                                                 |                | DATE: Dec.19.2011                                                                        |                |    |
|                                                                                                 |                | QTY(Q): 360                                                                              |                |    |
|                                                                                                 |                | TDK ITEM (1P): WR-383250-17M2-XX<br><br>(WR-383250-17M2-XX)<br>SUB P/O NO.(6K): - 10<br> |                |    |
| C/NO:1                                                                                          |                | WAREHOUSE (CT)                                                                           | TDK SPEC.      | 14 |
| NW 3.3 GW 3.8                                                                                   |                | TDK TAIWAN CORPORATION                                                                   | YANGMI, TAIWAN |    |