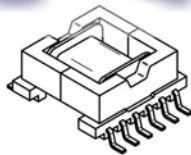
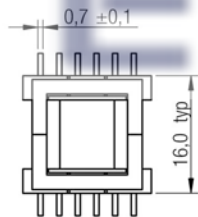
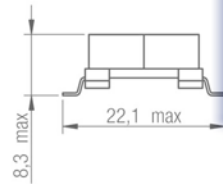
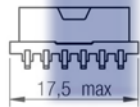
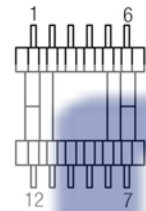
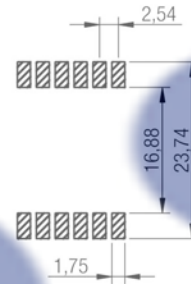


## A Dimensions: [mm]



Scale - 1:1

## B Recommended land pattern: [mm]



Scale - 1:1

## D Electrical Properties:

| Properties                 | Test conditions          |                 | Value       | Unit       | Tol.       |
|----------------------------|--------------------------|-----------------|-------------|------------|------------|
| Inductance base            | 10 kHz/ 100 mV           | $L_{base}$      | 153.8       | $\mu H$    | +35% /-45% |
| Turns ratio                | N1:N2:N3:N4:N5:N6        | n               | 1:1:1:1:1:1 |            |            |
| Rated Current base         | $\Delta T = 40K$         | $I_{R base}$    | 0.97        | A          | typ.       |
| Saturation Current base    | $I_{\Delta L/LI} < 10\%$ | $I_{sat base}$  | 0.02        | A          | typ.       |
| DC Resistance base         | @ 20°C                   | $R_{DC base}$   | 140         | m $\Omega$ | max.       |
| Voltage- $\mu$ Second base |                          | $f U_{dt base}$ | 39.8        | $\mu Vs$   | max.       |
| Leakage Inductance base    | 100 kHz/ 100 mV          | $L_s base$      | 0.13        | $\mu H$    | typ.       |
| Insulation test voltage    | 3 mA/1 s                 | $U_T$           | 500         | V (AC)     |            |

- 1) Inductance of a single winding  
 2) Rated Current of a single winding  
 3) Saturation Current of a single winding when all windings are driven.  
 If not all windings are current driven the Saturation current per winding is  
 $6 \times I_{sat base} / \text{number of driven windings}$   
 4) DC Resistance of a single winding

## E General information:

It is recommended that the temperature of the part does not exceed +125°C under worst case conditions.

- Storage Temperature: -40°C to +85°C
- Operating Temperature: -40°C to +125°C
- Test conditions of Electrical Properties: 20°C, 33% RH if not specified differently

Shaanxi FKS Electronic Parts Import&amp;Export Co.,Ltd.

FKS(Xi'an) Electronic Technology Co.,Ltd.

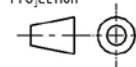
Address: B1 Building,Western Cloud Valley,Fengxi New Town,  
Xixian New Area,Xi'an City, Shaanxi Province,China.

Tel: +86-29-8868 5333

Fax: +86-29-8868 0913

FKS  
Electronics

Projection



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FKS  
Electronics

DESCRIPTION

## Flexible Transformer for DC/DC Converter

Order.- No.

FKS749196301



SIZE

A4

Size: EFD15

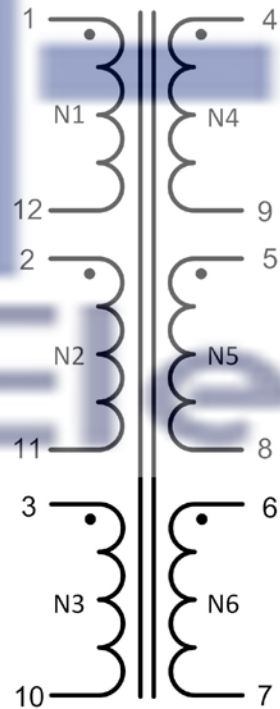
DATE

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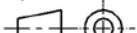
**FKS**  
 Electronics



### C Schematic:



|  |  |  |  |                                                                                                                                                                                                                                                                         |  |                                                 |
|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|
|  |  |  |  | Projection<br>                                                                                                                                                                                                                                                          |  | DESCRIPTION                                     |
|  |  |  |  |                                                                                                                                                                                                                                                                         |  | <b>Flexible Transformer for DC/DC Converter</b> |
|  |  |  |  | Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.<br>FKS(Xi'an) Electronic Technology Co.,Ltd.<br>Address: B1 Building,Western Cloud Valley,Fengxi New Town,<br>Xixian New Area,Xi'an City, Shaanxi Province,China.<br>Tel: +86-29-8868 5333<br>Fax: +86-29-8868 0913 |  | Order.- No.<br><b>FKS749196301</b>              |
|  |  |  |  |                                                                                                                                                                                                                                                                         |  | <b>COMPLIANT<br/>RoHS&amp;REACH</b>             |
|  |  |  |  |                                                                                                                                                                                                                                                                         |  | SIZE<br>A4                                      |
|  |  |  |  | DATE                                                                                                                                                                                                                                                                    |  | Size: EFD15                                     |

|  |            |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                   |      |
|--|------------|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------|
|  |            |  |  | Projection<br>                                                                                                                                                                                                                                                                                                                                                    | DESCRIPTION                                                                                                       |      |
|  |            |  |  | Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.<br>FKS(Xi'an) Electronic Technology Co.,Ltd.<br>Address: B1 Building,Western Cloud Valley,Fengxi New Town,<br>Xixian New Area,Xi'an City, Shaanxi Province,China.<br>Tel: +86-29-8868 5333<br>Fax: +86-29-8868 0913<br>  | <b>Flexible Transformer for DC/DC Converter</b>                                                                   |      |
|  | 2014-02-18 |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Order.- No.<br>FKS749196301  | SIZE |
|  | DATE       |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Size: EFD15                                                                                                       | A4   |