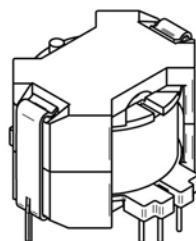
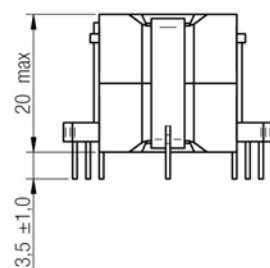
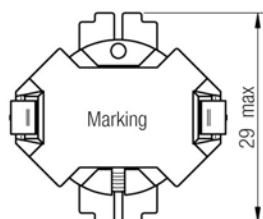
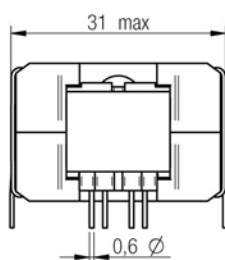
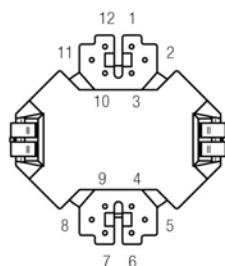
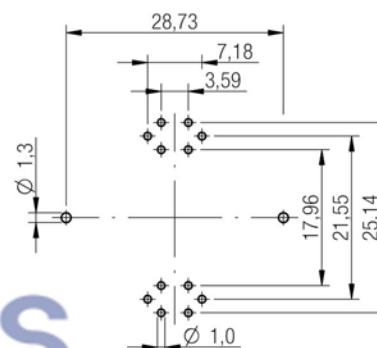


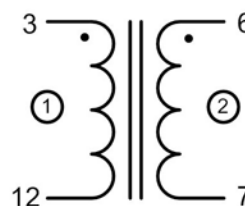
**A Dimensions: [mm]**

Scale - 1:1

| Reference on drawing | Description                   |
|----------------------|-------------------------------|
| Marking              | FKS760801020 (Article Number) |
| Date code            | YYWW                          |
| Revision             | 00                            |

**B Recommended hole pattern: [mm]**

Scale - 1:1

**C Schematic:**

Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.  
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 Tel: +86-29-8868 5333  
 Fax: +86-29-8868 0913

**FKS**  
Electronics

**D Electrical Properties:**

| Properties              | Test conditions |                  | Value   | Unit   | Tol. |
|-------------------------|-----------------|------------------|---------|--------|------|
| Inductance              | 100 kHz/ 100 mV | L                | 500     | μH     | ±10% |
| Rated current           | ΔT = 40 K       | I <sub>R</sub>   | 0.6     | A      | max. |
| Saturation current      | IΔL/LI < 20%    | I <sub>sat</sub> | 4.0     | A      | typ. |
| DC Resistance 1         |                 | R <sub>DC1</sub> | 360     | mΩ     | max. |
| DC Resistance 2         |                 | R <sub>DC2</sub> | 180     | mΩ     | max. |
| Input voltage           |                 | U <sub>i</sub>   | 195-265 | V (AC) |      |
| Turns ratio             |                 | n                | 12:1    |        | ±3%  |
| Output power 1          |                 | P <sub>o</sub>   | 75-100  | W      |      |
| Insulation test voltage |                 | U <sub>T</sub>   | 1500    | V (AC) |      |

**E General information:**

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

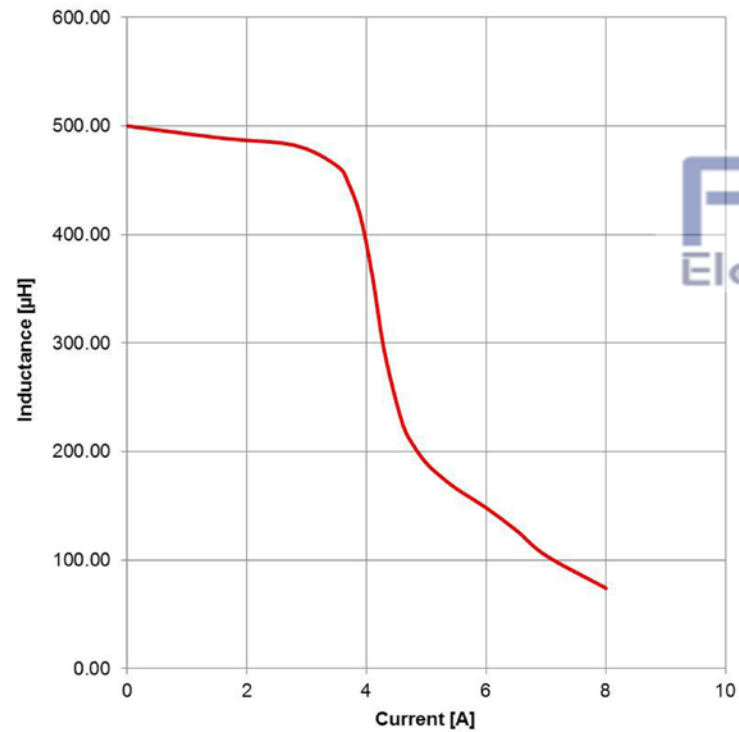
- Ambient temperature: -40°C to +85°C (referring to I<sub>R</sub>)
- Operating temperature: -40°C to +125°C
- Storage temperature (in tray packaging): -20°C to +40°C; 75% RH max.
- Test conditions of Electrical Properties: 20°C, 33% RH if not specified differently

|  |            |  |  |                                                                                                                                                                                                                                                                         |                                 |
|--|------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|  |            |  |  | Projection<br>                                                                                                                                                                                                                                                          | DESCRIPTION                     |
|  | 2014-09-16 |  |  |                                                                                                                                                                                                                                                                         | <b>PFC Choke</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.                     |
|  |            |  |  | <b>FKS</b><br>Electronics<br>                                                                                                                                                                                                                                           | <b>FKS760801020</b>             |
|  |            |  |  |                                                                                                                                                                                                                                                                         | <b>COMPLIANT RoHS&amp;REACH</b> |
|  |            |  |  |                                                                                                                                                                                                                                                                         | SIZE                            |
|  |            |  |  |                                                                                                                                                                                                                                                                         | A4                              |
|  | DATE       |  |  |                                                                                                                                                                                                                                                                         | Size: RM10                      |

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F1 Typical Inductance vs. Current Characteristics:



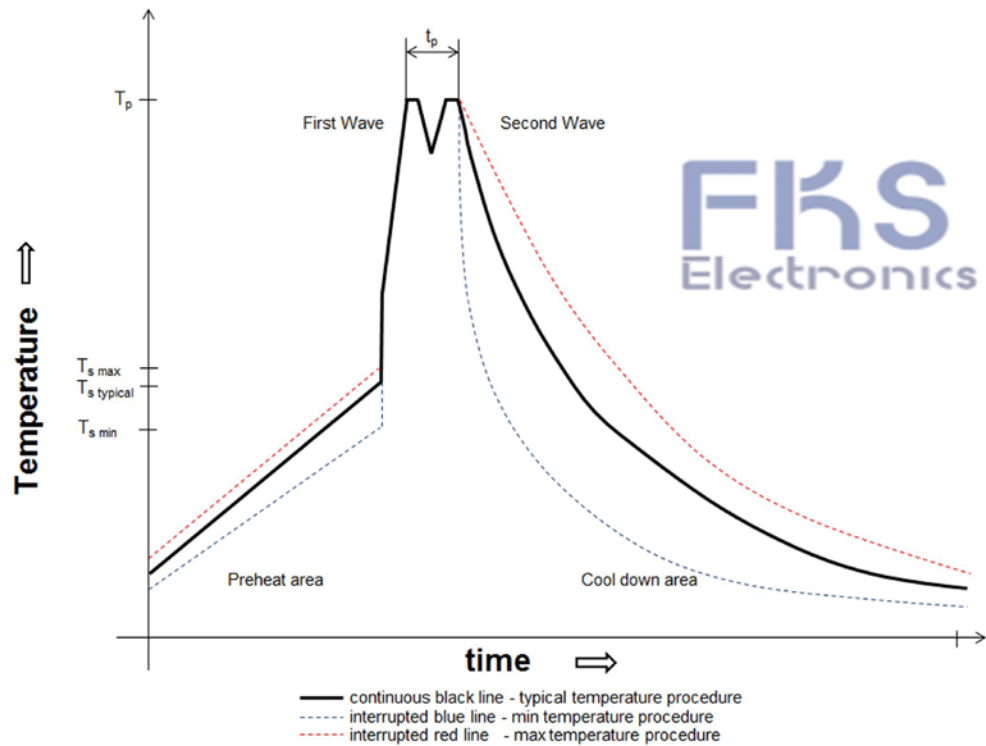
|  |            |  |  |                                                                                                                                                                                                                                                                         |  |              |      |
|--|------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|------|
|  |            |  |  | Projection                                                                                                                                                                                                                                                              |  | DESCRIPTION  |      |
|  | 2014-09-16 |  |  |                                                                                                                                                                                                                                                                         |  |              |      |
|  |            |  |  | 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 |  | PFC Choke    |      |
|  |            |  |  |                                                                                                                                                                                                                                                                         |  |              |      |
|  |            |  |  |                                                                                                                                                                                                                                                                         |  | Order.- No.  | SIZE |
|  |            |  |  |                                                                                                                                                                                                                                                                         |  | FKS760801020 | A4   |
|  |            |  |  |                                                                                                                                                                                                                                                                         |  | Size: RM10   |      |
|  | DATE       |  |  |                                                                                                                                                                                                                                                                         |  |              |      |
|  |            |  |  |                                                                                                                                                                                                                                                                         |  |              |      |

H Soldering Specifications:

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H4: Classification Wave Soldering Profile:



H5: Classification Wave Profile

| Profile Feature                                                                                                                                                                                                                                                                                       | Pb-Free Assembly                           | Sn-Pb Assembly                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------|
| Preheat <ul style="list-style-type: none"><li>- Temperature Min (<math>T_{smin}</math>)</li><li>- Temperature Typical (<math>T_{stypical}</math>)</li><li>- Temperature Max (<math>T_{smax}</math>)</li><li>- Time (<math>t_s</math>) from (<math>T_{smin}</math> to <math>T_{smax}</math>)</li></ul> | 100°C<br>120°C<br>130°C<br>70 seconds      | 100°C<br>120°C<br>130°C<br>70 seconds      |
| $\Delta$ preheat to max Temperature                                                                                                                                                                                                                                                                   | 150°C max.                                 | 150°C max.                                 |
| Peak temperature ( $T_p$ )                                                                                                                                                                                                                                                                            | 250°C - 260°C                              | 235°C - 260°C                              |
| Time of actual peak temperature ( $t_p$ )                                                                                                                                                                                                                                                             | max. 10 seconds<br>max. 5 second each wave | max. 10 seconds<br>max. 5 second each wave |
| Ramp-down rate <ul style="list-style-type: none"><li>- Min</li><li>- Typical</li><li>- Max</li></ul>                                                                                                                                                                                                  | ~ 2 K/s<br>~ 3.5 K/s<br>~ 5 K/s            | ~ 2 K/s<br>~ 3.5 K/s<br>~ 5 K/s            |
| Time 25°C to 25°C                                                                                                                                                                                                                                                                                     | 4 minutes                                  | 4 minutes                                  |

refer to EN 61760-1:2006

|  |            |  |  |                                                                                                                                                                                                                                                                         |                                                                                                 |                             |            |
|--|------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------|------------|
|  |            |  |  | Projection<br>                                                                                                                                                                                                                                                          | DESCRIPTION<br><br><b>PFC Choke</b><br><br>Order.- No.<br><b>FKS760801020</b><br><br>Size: RM10 | <br>COMPLIANT<br>RoHS&REACH | SIZE<br>A4 |
|  | 2014-09-16 |  |  |                                                                                                                                                                                                                                                                         |                                                                                                 |                             |            |
|  |            |  |  | 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 |                                                                                                 |                             |            |
|  |            |  |  |                                                                                                                                                                                                                                                                         |                                                                                                 |                             |            |
|  | DATE       |  |  |                                                                                                                                                                                                                                                                         |                                                                                                 |                             |            |