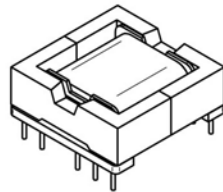
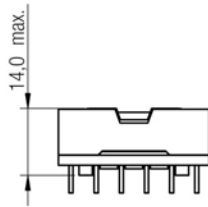
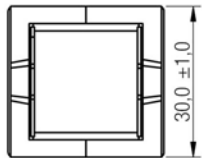
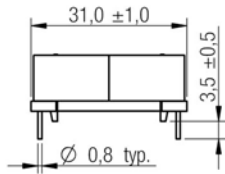
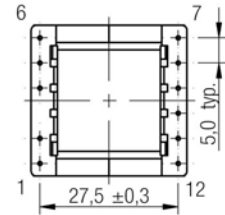


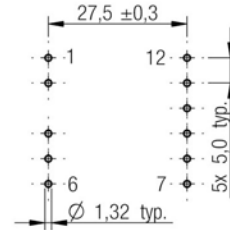
A Dimensions: [mm]



Scale - 1:1,5

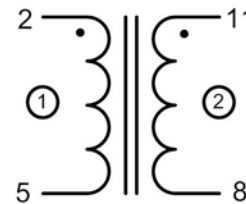
| Reference on drawing | Description |
|----------------------|-------------------------------|
| • | Start of winding |
| Marking | FKS760801131 (Article Number) |
| Date code | YYWW |
| Revision | 00 |

B Recommended hole pattern: [mm]



Scale - 1:1,5

C Schematic:



D Electrical Properties:

| Properties | Test conditions | | Value | Unit | Tol. |
|--------------------------------|-----------------|------------------|--------|--------|------|
| Inductance | 100 kHz/ 100 mV | L | 750 | μH | ±10% |
| Rated current | ΔT = 40 K | I _R | 0.9 | A | max. |
| Saturation current | ΔL/L < 20% | I _{sat} | 3.3 | A | typ. |
| DC Resistance 1 | | R _{DC1} | 950 | mΩ | max. |
| DC Resistance 2 | | R _{DC2} | 580 | mΩ | max. |
| Input voltage | | U _i | 85-265 | V (AC) | |
| Turns ratio | | n | 34:3 | | ±3% |
| Output power 1 | | P _o | 75 | W | |
| Insulation test voltage | | U _T | 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_R)
- 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

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Projection

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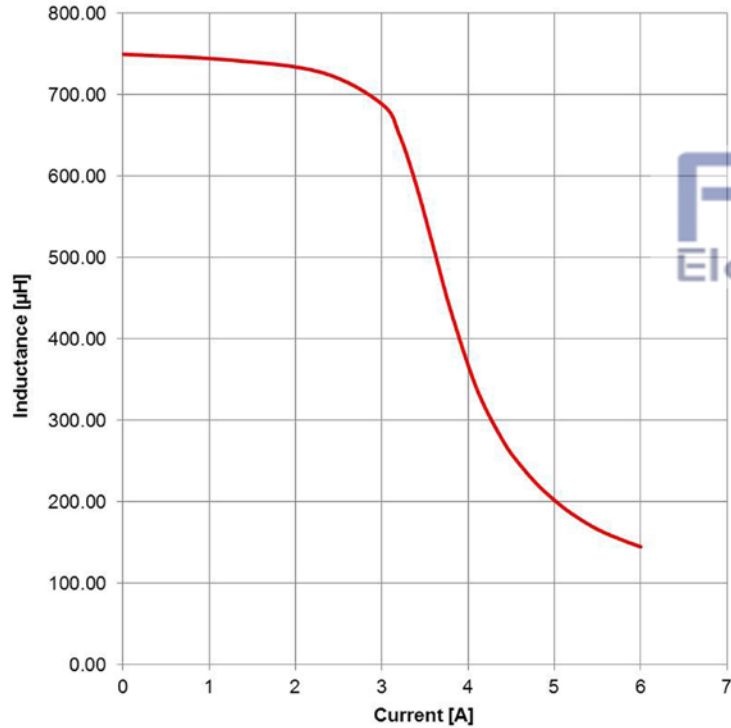
| | |
|------------------|--------------|
| DESCRIPTION | |
| PFC Choke | |
| Order.- No. | FKS760801131 |
| Size | A4 |
| Size: EFD30 | |



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F1 Typical Inductance vs. Current Characteristics:



| | | | | | | |
|-----|------------|--|--|---|--|------------------|
| | | | | Projection | | DESCRIPTION |
| 1.7 | 2014-09-16 | | | | | PFC Choke |
| 1.6 | | | | | | |
| 1.5 | | | | Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. | | Order.- No. |
| 1.4 | | | | FKS(Xi'an) Electronic Technology Co.,Ltd. | | |
| 1.3 | | | | Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. | | FKS760801131 |
| 1.2 | | | | Tel: +86-29-8868 5333 | | |
| 1.1 | | | | Fax: +86-29-8868 0913 | | Size: EFD30 |
| REV | DATE | | | | | |



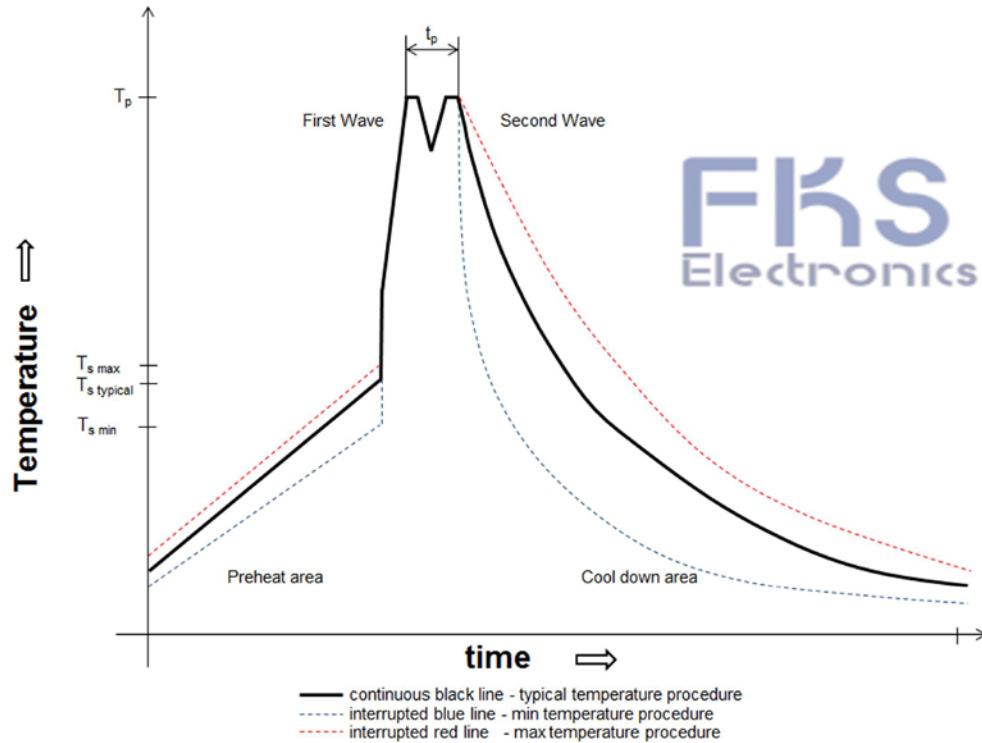
SIZE
A4

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 | | |
| - Temperature Min (T_{smin}) | 100°C | 100°C |
| - Temperature Typical ($T_{stypical}$) | 120°C | 120°C |
| - Temperature Max (T_{smax}) | 130°C | 130°C |
| - Time (t_s) from (T_{smin} to T_{smax}) | 70 seconds | 70 seconds |
| Δ 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 max. 5 second each wave | max. 10 seconds max. 5 second each wave |
| Ramp-down rate | | |
| - Min | ~ 2 K/s | ~ 2 K/s |
| - Typical | ~ 3.5 K/s | ~ 3.5 K/s |
| - Max | ~ 5 K/s | ~ 5 K/s |
| Time 25°C to 25°C | 4 minutes | 4 minutes |

refer to EN 61760-1:2006

| | | | | | | |
|--|------------|--|--|---|--|------------------------------------|
| | | | | Projection | | DESCRIPTION |
| | 2014-09-16 | | | | | PFC Choke |
| | | | | Shaanxi FKS Electronic Parts Import&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 | | Order.- No. FKS760801131 |
| | | | | | | |
| | | | | | | SIZE A4 |
| | | | | | | Size: EFD30 |
| | DATE | | | | | |