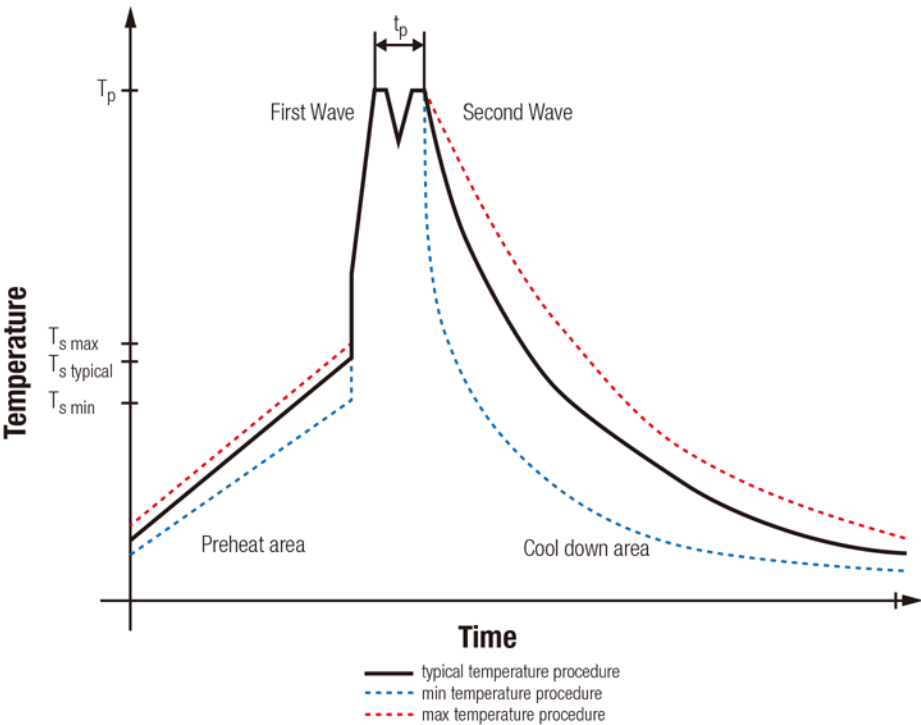


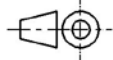
Classification Wave Soldering Profile:



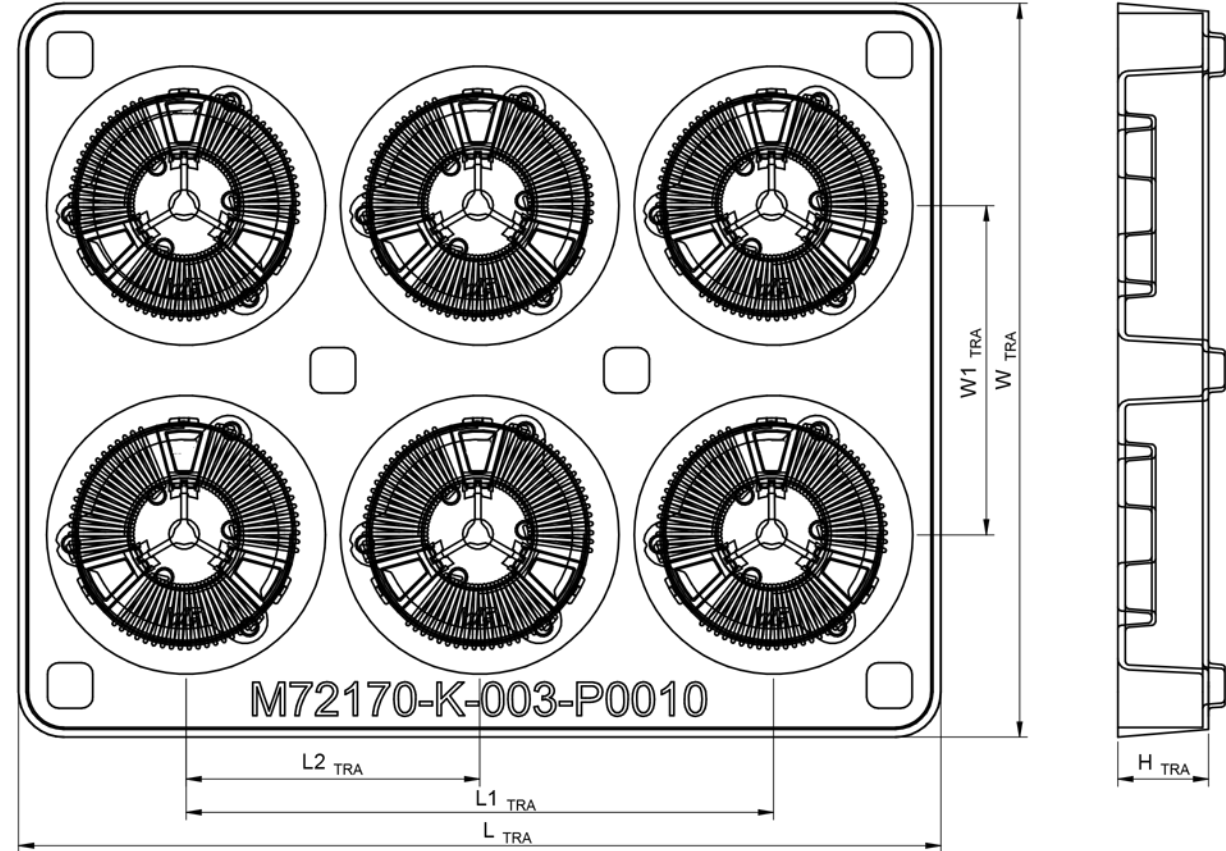
Classification Wave Soldering Profile:

| Profile Feature                                      |                  | Pb-Free Assembly                            | Sn-Pb Assembly                              |
|------------------------------------------------------|------------------|---------------------------------------------|---------------------------------------------|
| Preheat Temperature Min                              | $T_{s\ min}$     | 100 °C                                      | 100 °C                                      |
| Preheat Temperature Typical                          | $T_{s\ typical}$ | 120 °C                                      | 120 °C                                      |
| Preheat Temperature Max                              | $T_{s\ max}$     | 130 °C                                      | 130 °C                                      |
| Preheat Time $t_s$ from $T_{s\ min}$ to $T_{s\ max}$ | $t_s$            | 70 seconds                                  | 70 seconds                                  |
| Ramp-up Rate                                         | $\Delta T$       | 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 seconds each wave | max. 10 seconds<br>max. 5 seconds each wave |
| Ramp-down Rate, Min                                  |                  | ~ 2 K/ second                               | ~ 2 K/ second                               |
| Ramp-down Rate, Typical                              |                  | ~ 3.5 K/ second                             | ~ 3.5 K/ second                             |
| Ramp-down Rate, Max                                  |                  | ~ 5 K/ second                               | ~ 5 K/ second                               |
| Time 25 °C to 25 °C                                  |                  | 4 minutes                                   | 4 minutes                                   |

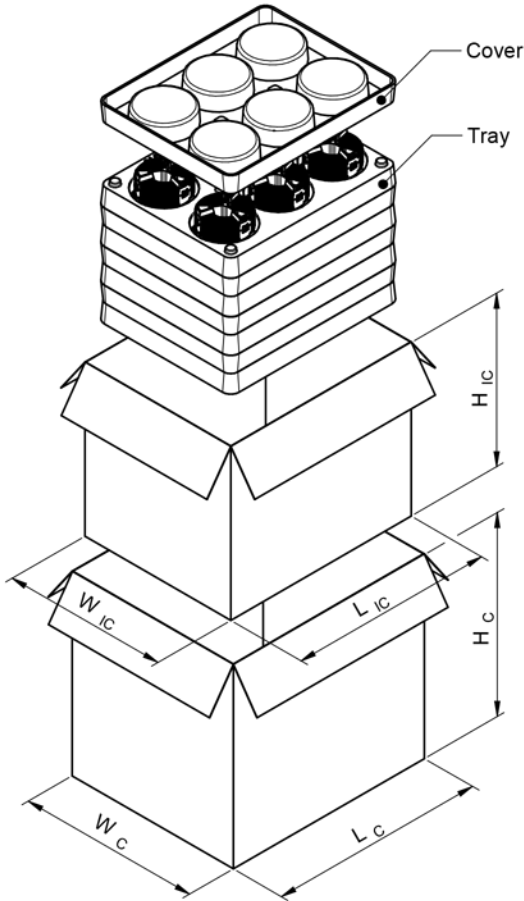
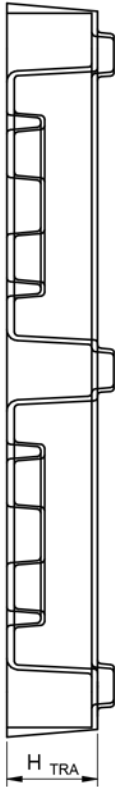
refer to EN61760-1:2006

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |                                                                           |  |                                      |  |                                                                                                            |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------|--|--------------------------------------|--|------------------------------------------------------------------------------------------------------------|--|
| <div><div><div>RoHS<br/>COMPLIANT</div></div><div><div>REACH<br/>COMPLIANT</div></div><div><div>HALOGEN<br/>FREE</div></div></div>                                                                                                                |  |  | DATE (YYYY-MM-DD)<br>2019-02-28                                           |  | GENERAL TOLERANCE<br>DIN ISO 2768-1m |  | PROJECTION METHOD<br> |  |
| <div><div></div><div>Shaanxi FKS Electronic Parts Import&amp;Export Co.,Ltd.<br/>Address:Building B1,The West Cloud Valley, Fengxi New City,<br/>Xixian New Area,Xianyang City,Shaanxi Province,China.<br/>Tel:0086 29 8868 5333 Fax:0086 29 8868 0913<br/><a href="http://www.fks-tech.com">http://www.fks-tech.com</a></div></div> |  |  | DESCRIPTION<br><div>HV Three-Phase Common<br/>Mode Power Line Choke</div> |  |                                      |  | ORDER CODE<br>FKS744835150072                                                                              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  | SIZE/TYPE<br>4XL                                                          |  | STATUS<br>Valid                      |  |                                                                                                            |  |

Packaging Specification - Tray and Carton: [mm]



| L_TRA (mm) | L1_TRA (mm) | L2_TRA (mm) | W_TRA (mm) | W1_TRA (mm) | H_TRA (mm) | Packaging Unit | Material |
|------------|-------------|-------------|------------|-------------|------------|----------------|----------|
| typ.       | typ.        | typ.        | typ.       | typ.        | typ.       | pcs.           |          |
| 245,00     | 155,40      | 77,70       | 195,00     | 87,00       | 48,00      | 6              | PET      |



| L_IC (mm) | W_IC (mm) | H_IC (mm) | L_C (mm) | W_C (mm) | H_C (mm) | No. of tray | Packaging Unit | Material |
|-----------|-----------|-----------|----------|----------|----------|-------------|----------------|----------|
| typ.      | typ.      | typ.      | typ.     | typ.     | typ.     | pcs.        | pcs.           |          |
| 260,00    | 210,00    | 217,00    | 275,00   | 232,00   | 255,00   | 4           | 24             | Paper    |

|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                 |  |                                      |  |                                                                                                            |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------------------------------|--|--------------------------------------|--|------------------------------------------------------------------------------------------------------------|--|
| <div><div><div>RoHS<br/>COMPLIANT</div></div><div><div>REACH<br/>COMPLIANT</div></div><div><div>HALOGEN<br/>FREE</div></div></div> |  |  | DATE (YYYY-MM-DD)<br>2019-02-28 |  | GENERAL TOLERANCE<br>DIN ISO 2768-1m |  | PROJECTION METHOD<br> |  |
| <div>DESCRIPTION</div> <div><div>HV Three-Phase Common<br/>Mode Power Line Choke</div></div>                                                                                                                                                                                                                                                                                                 |  |  |                                 |  | ORDER CODE<br>FKS744835150072        |  |                                                                                                            |  |
|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                 |  | SIZE/TYPE<br>4XL                     |  | STATUS<br>Valid                                                                                            |  |

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Test Setup:

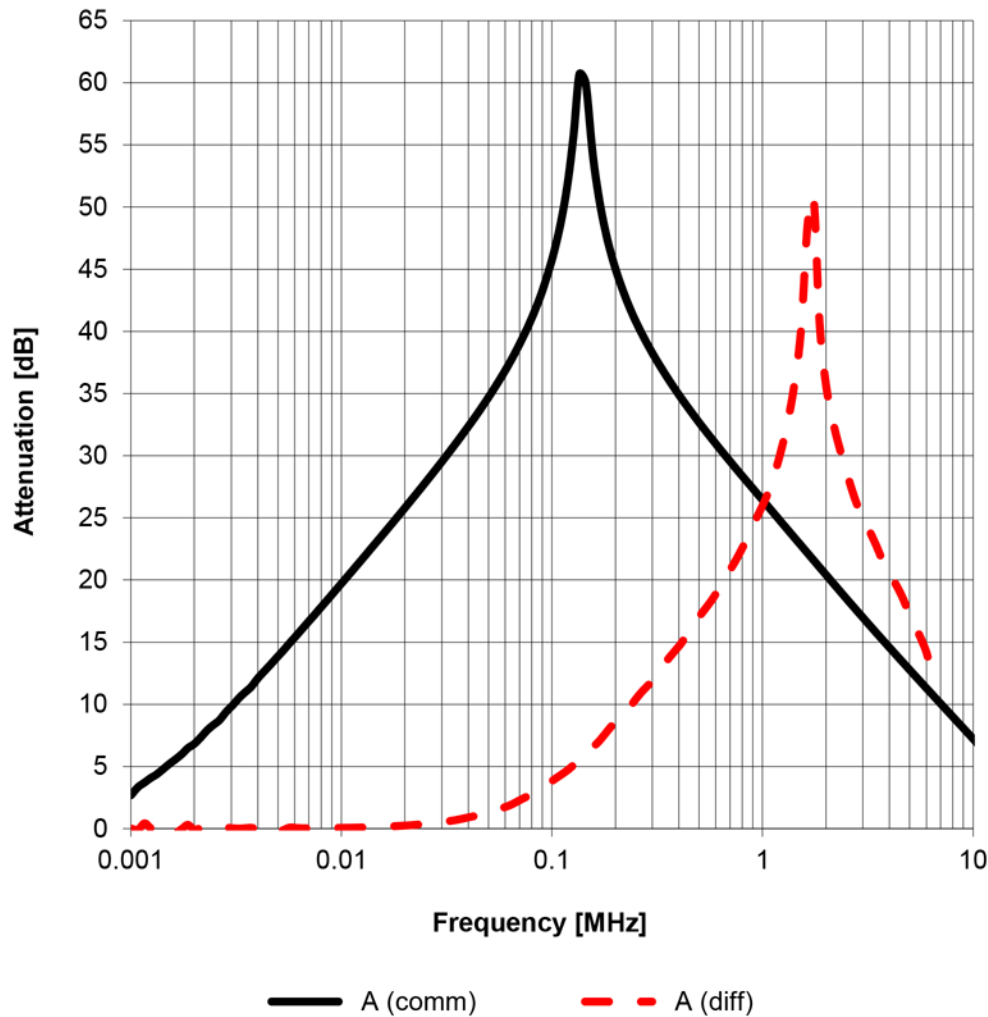
Common Mode



Differential Mode

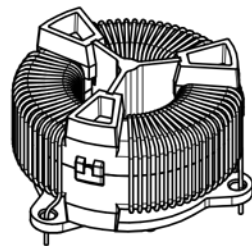
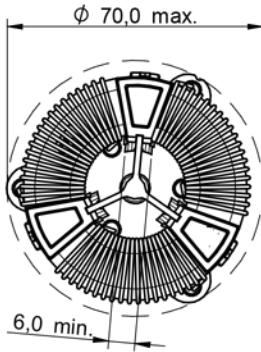
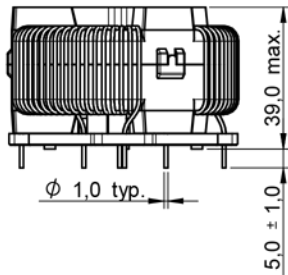
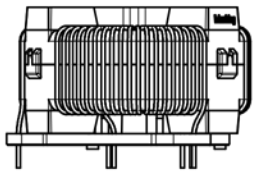
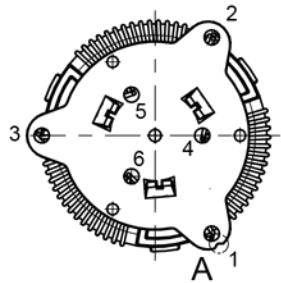


Typical Insertion Loss:



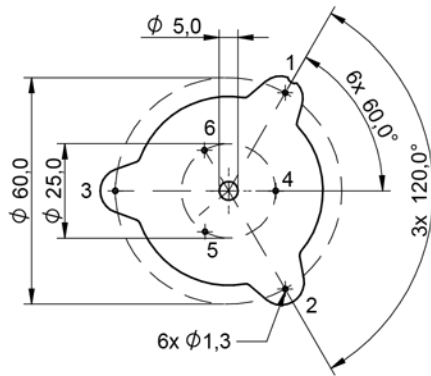
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                   |                                      |                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------|
| <div><div><div><div></div><div>RoHS COMPLIANT</div></div><div><div></div><div>REACH COMPLIANT</div></div><div><div></div><div>HALOGEN FREE</div></div></div></div>                                                                                                                                                                                                                                                                                                                  |  | DATE (YYYY-MM-DD)<br>2019-02-28                                   | GENERAL TOLERANCE<br>DIN ISO 2768-1m | PROJECTION METHOD<br> |
| <div><div><div><div></div><div>FKS Electronics</div></div><div></div></div><div>Shaanxi FKS Electronic Parts Import&amp;Export Co.,Ltd.<br/>Address:Building B1,The West Cloud Valley, Fengxi New City,<br/>Xixian New Area,Xianyang City,Shaanxi Province,China.<br/>Tel:0086 29 8868 5333 Fax:0086 29 8868 0913<br/><a href="http://www.fks-tech.com">http://www.fks-tech.com</a></div></div> |  | DESCRIPTION<br><b>HV Three-Phase Common Mode Power Line Choke</b> |                                      | ORDER CODE<br>FKS744835150072                                                                              |
| SIZE/TYPE<br>4XL                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | STATUS<br>Valid                                                   |                                      |                                                                                                            |

Dimensions: [mm]



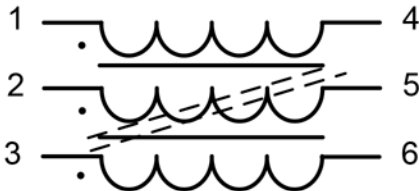
Scale - 1:2

Recommended Hole Pattern: [mm]



Scale - 1:2

Schematic:



Electrical Properties:

| Properties              |                 | Test conditions | Value | Unit   | Tol. |
|-------------------------|-----------------|-----------------|-------|--------|------|
| Inductance              | L               | 10 kHz/ 0.1 mA  | 15    | mH     | ±30% |
| Rated Current           | I <sub>R</sub>  | @ 70 °C         | 7.2   | A      | max. |
| DC Resistance           | R <sub>DC</sub> | @ 20 °C         | 3x85  | mΩ     | max. |
| Rated Voltage           | U <sub>R</sub>  | 50 Hz           | 760   | V (AC) | max. |
| Insulation Test Voltage | U <sub>T</sub>  | 50 Hz/ 2 sec.   | 3000  | V (AC) |      |

Certification:

|                |                                       |
|----------------|---------------------------------------|
| RoHS Approval  | Compliant [ 2011/65/EU&2015/863 ]     |
| REACH Approval | Conform or declared [ (EC)1907/2006 ] |
| Halogen Free   | Conform [ JEDEC JS709B ]              |
| Halogen Free   | Conform [ IEC 61249-2-21 ]            |

General Information:

|                                                                                                                                                     |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| It is recommended that the temperature of the component does not exceed +125 °C under worst case conditions                                         |                     |
| Ambient Temperature (referring to I <sub>R</sub> )                                                                                                  | -40 up to +70 °C    |
| Operating Temperature                                                                                                                               | -40 up to +125 °C   |
| Storage Conditions (in original packaging)                                                                                                          | < 40 °C ; < 75 % RH |
| Moisture Sensitivity Level (MSL)                                                                                                                    | 1                   |
| Temperature Rise < 55 K                                                                                                                             |                     |
| Due to heavy weight, we recommend to fix the component on PCB with a self tapping screw: 4.8*x<br>x = screw length, depends from used PCB thickness |                     |
| Test conditions of Electrical Properties: +20 °C, 33 % RH if not specified differently                                                              |                     |



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|                                                                       |                                      |                                      |
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| DATE (YYYY-MM-DD)<br>2019-02-28                                       | GENERAL TOLERANCE<br>DIN ISO 2768-1m | PROJECTION METHOD<br>                |
| DESCRIPTION<br><b>HV Three-Phase Common<br/>Mode Power Line Choke</b> |                                      | ORDER CODE<br><b>FKS744835150072</b> |
| SIZE/TYPE<br>4XL                                                      |                                      | STATUS<br>Valid                      |