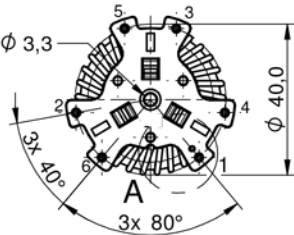
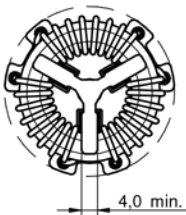
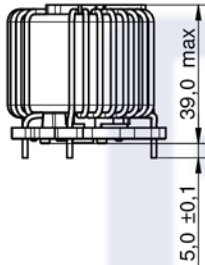
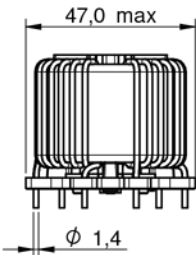
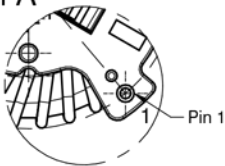


Dimensions: [mm]

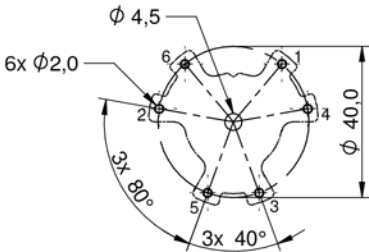


detail A



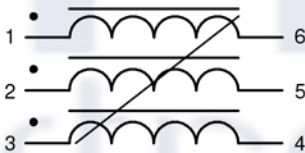
Scale - 1:2

Recommended Hole Pattern: [mm]



Scale - 1:2

Schematic:



Product Marking:

|         |              |
|---------|--------------|
| Marking | 744833027110 |
|---------|--------------|

Electrical Properties:

| Properties              |                 | Test conditions     | Value | Unit   | Tol. |
|-------------------------|-----------------|---------------------|-------|--------|------|
| Number of windings      | N               |                     | 3     |        |      |
| Inductance              | L               | 10 kHz/ 0.1 mA      | 2.7   | mH     | ±30% |
| DC Resistance           | R <sub>DC</sub> | @ 20 °C             | 18    | mΩ     | max. |
| Rated Current           | I <sub>R</sub>  | @ 70 °C             | 11    | A      | max. |
| Rated Voltage           | V <sub>R</sub>  | 50 Hz               | 500   | V (AC) | max. |
| Insulation Test Voltage | V <sub>T</sub>  | 50 Hz/ 5 mA/ 2 sec. | 2500  | 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:

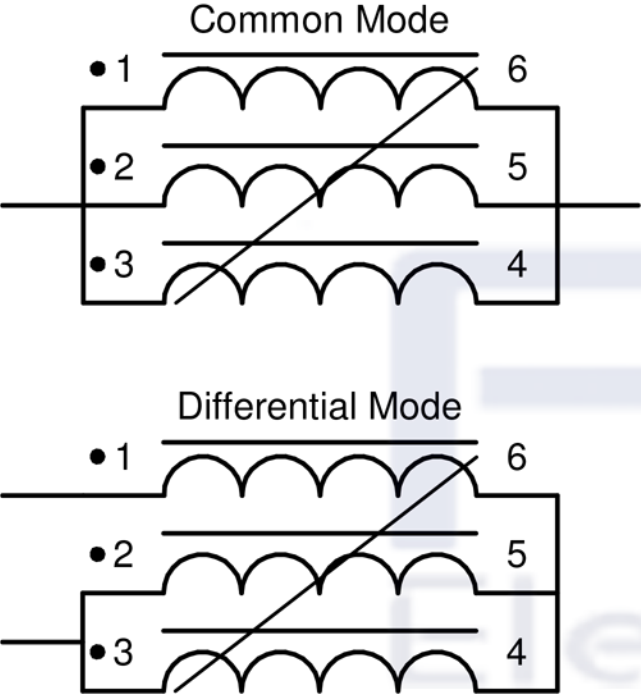
|                                                                                                                     |                     |
|---------------------------------------------------------------------------------------------------------------------|---------------------|
| It is recommended that the temperature of the component does not exceed +125 °C under worst case conditions         |                     |
| 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 (1.6 mm thickness) with a self tapping screw: 4.2*x19 |                     |
| Test conditions of Electrical Properties: +20 °C, 33 % RH if not specified differently                              |                     |



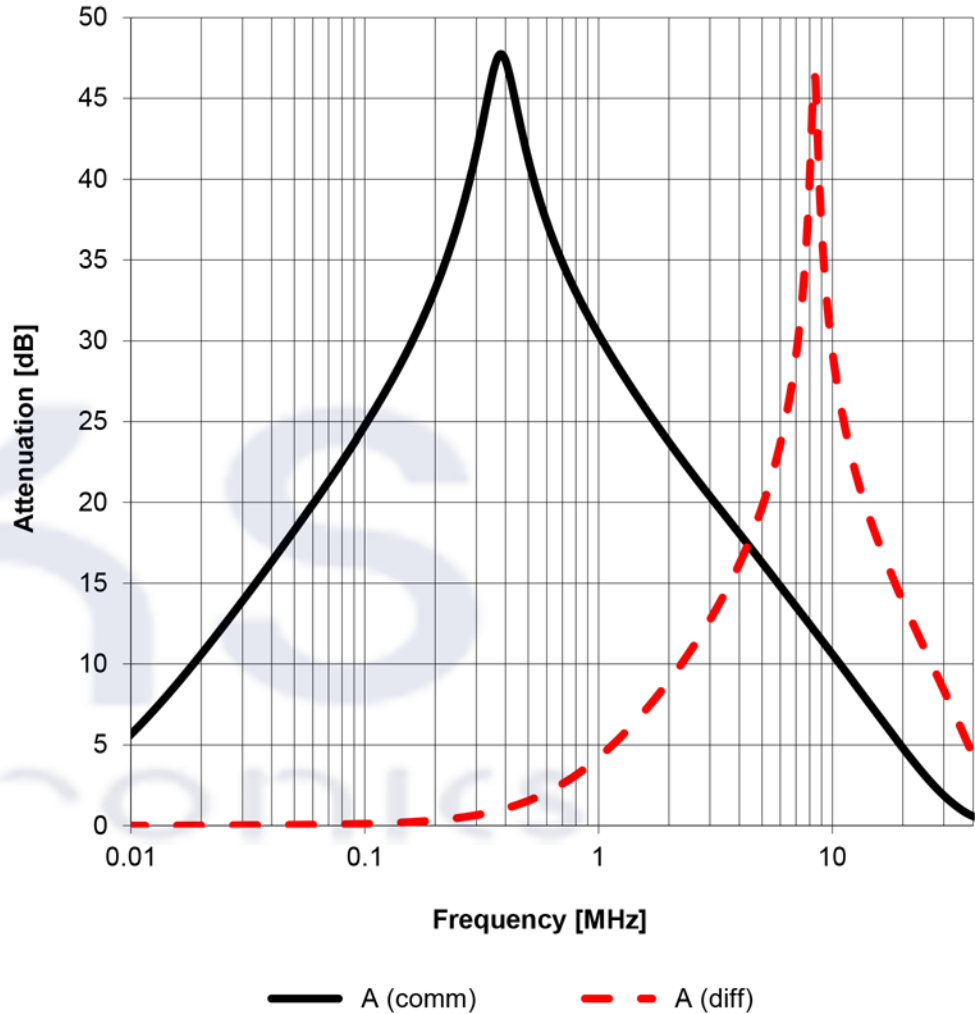
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|                                                                |                                      |                                      |
|----------------------------------------------------------------|--------------------------------------|--------------------------------------|
| DATE (YYYY-MM-DD)<br>2019-04-08                                | GENERAL TOLERANCE<br>DIN ISO 2768-1m | PROJECTION METHOD<br>                |
| DESCRIPTION<br><b>Three Phase Common Mode Power Line Choke</b> |                                      | ORDER CODE<br><b>FKS744833027110</b> |
| SIZE/TYPE<br>3XL                                               |                                      | STATUS<br>Valid                      |

Test Setup:

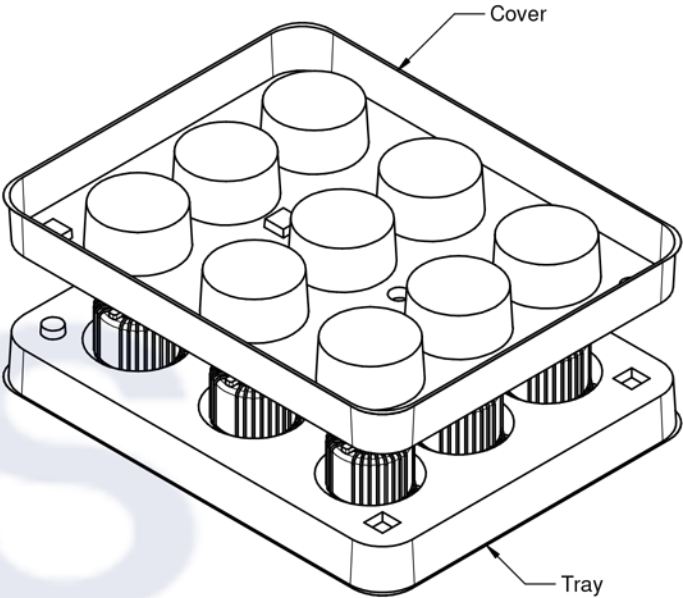
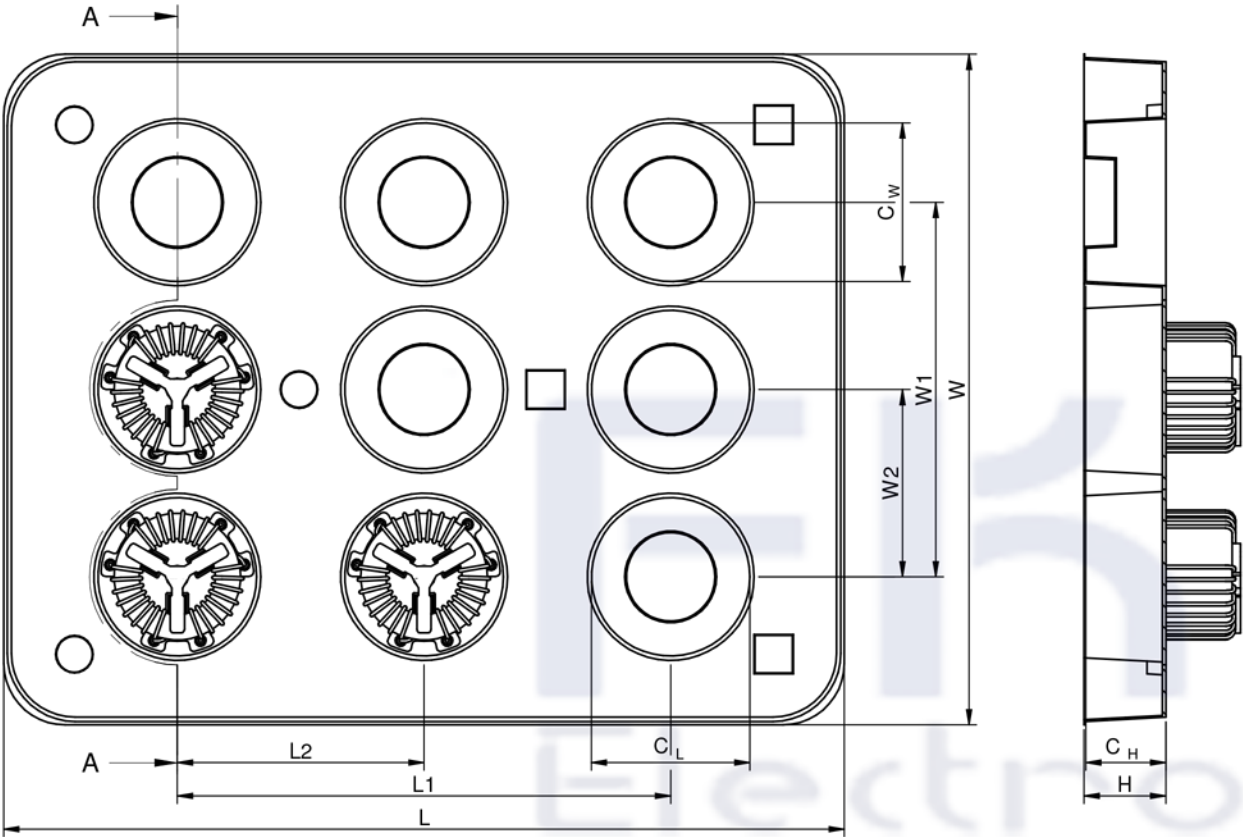


Typical Insertion Loss:



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                                                    |  |                                      |                 |                                                                                                            |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------|--|--------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------|--|--|
| <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>2019-04-08                                    |  | GENERAL TOLERANCE<br>DIN ISO 2768-1m |                 | PROJECTION METHOD<br> |  |  |
| <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>Three Phase Common<br/>Mode Power Line Choke</b> |  |                                      |                 | ORDER CODE<br><b>FKS744833027110</b>                                                                       |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  | SIZE/TYPE<br>3XL                                                   |  |                                      | STATUS<br>Valid |                                                                                                            |  |  |

Packaging Specification - Tray and Carton: [mm]



| L<br>(mm) | L1<br>(mm) | L2<br>(mm) | C <sub>L</sub><br>(mm) | W<br>(mm) | W1<br>(mm) | W2<br>(mm) | C <sub>W</sub><br>(mm) | H<br>(mm) | C <sub>H</sub><br>(mm) | Qty.<br>(pcs.) | Material |
|-----------|------------|------------|------------------------|-----------|------------|------------|------------------------|-----------|------------------------|----------------|----------|
| typ.      | typ.       | typ.       | typ.                   | typ.      | typ.       | typ.       | typ.                   | typ.      | typ.                   |                |          |
| 245,00    | 145,00     | 72,50      | 46,50                  | 195,00    | 110,00     | 55,00      | 46,50                  | 24,00     | 23,50                  | 9              | PET      |

  
RoHS  
COMPLIANT

  
REACH  
COMPLIANT

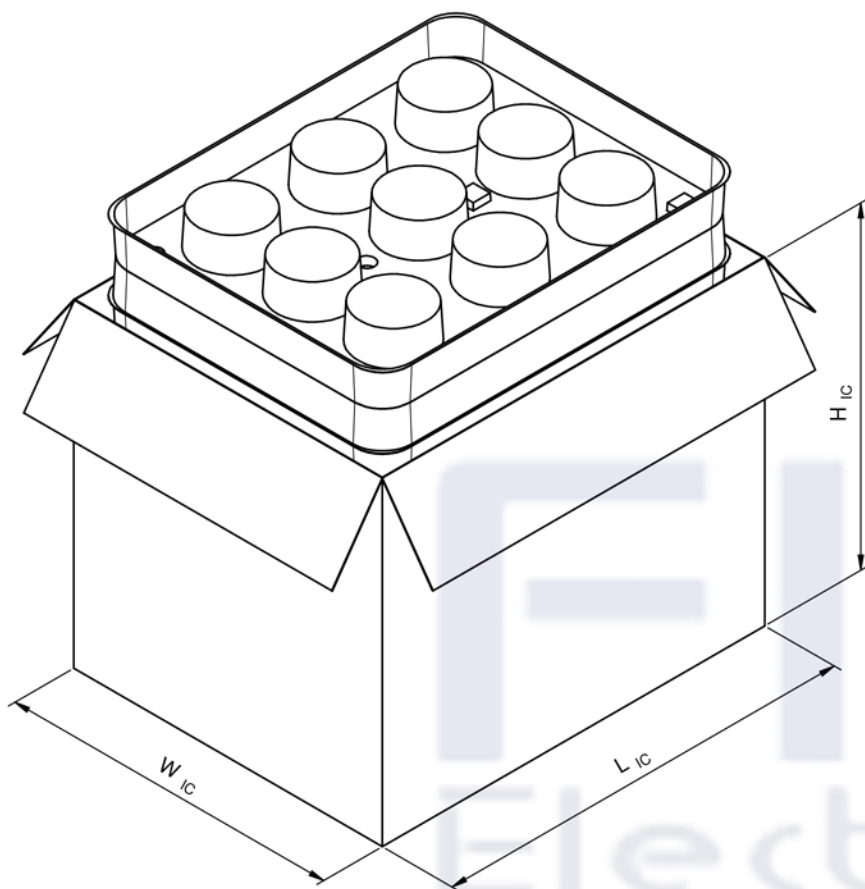
  
HALOGEN  
FREE



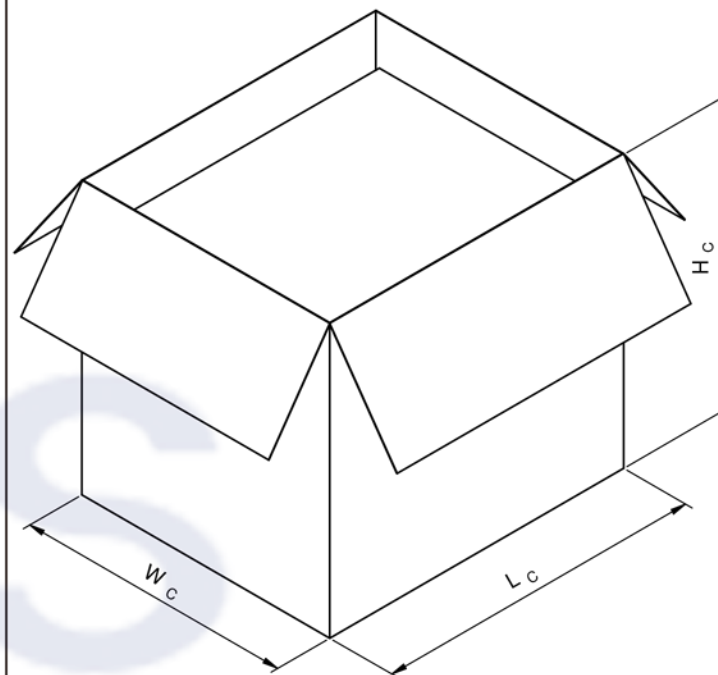


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|--------------------------------------------------------------------|--|---------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------|
|                                                                    |  | DATE (YYYY-MM-DD)<br>2019-04-08 | GENERAL TOLERANCE<br>DIN ISO 2768-1m | PROJECTION<br>METHOD<br> |
| DESCRIPTION<br><b>Three Phase Common<br/>Mode Power Line Choke</b> |  |                                 | ORDER CODE<br><b>FKS744833027110</b> |                                                                                                               |
| SIZE/TYPE<br>3XL                                                   |  |                                 | STATUS<br>Valid                      |                                                                                                               |



| L <sub>IC</sub> (mm) | W <sub>IC</sub> (mm) | H <sub>IC</sub> (mm) | No. of Tray | Packaging Unit | Material |
|----------------------|----------------------|----------------------|-------------|----------------|----------|
| typ.                 | typ.                 | typ.                 | pcs.        | pcs.           |          |
| 260                  | 210                  | 217                  | 4           | 36             | Paper    |



| L <sub>C</sub> (mm) | W <sub>C</sub> (mm) | H <sub>C</sub> (mm) | No. of Inner Carton | Packaging Unit | Material |
|---------------------|---------------------|---------------------|---------------------|----------------|----------|
| typ.                | typ.                | typ.                | pcs.                | pcs.           |          |
| 275                 | 232                 | 255                 | 1                   | 36             | Paper    |



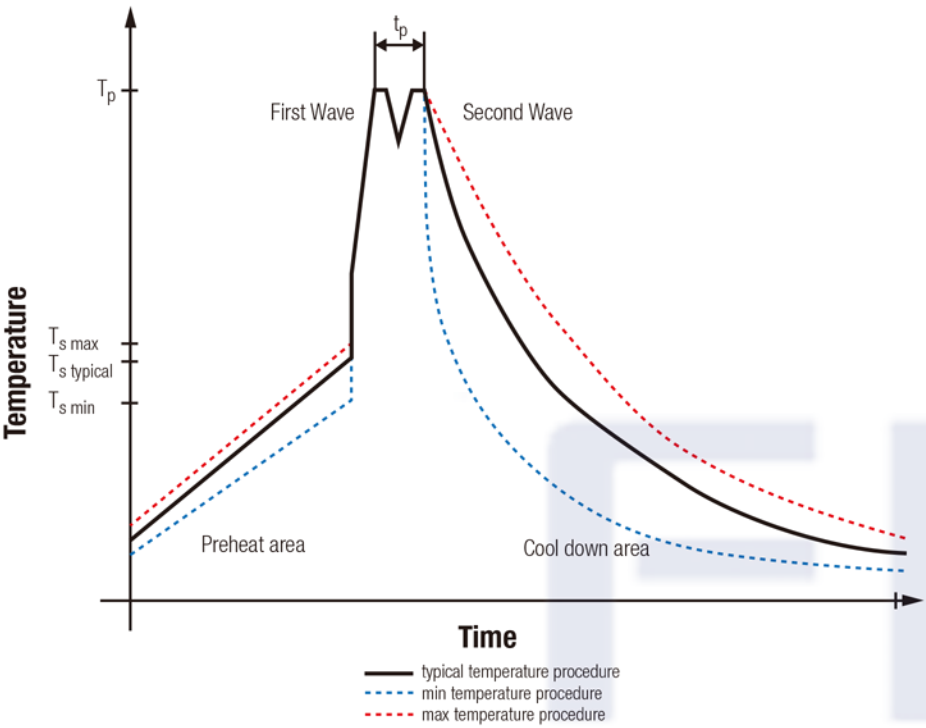
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Electronics



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|                                                                    |  |                                 |                                      |                       |
|--------------------------------------------------------------------|--|---------------------------------|--------------------------------------|-----------------------|
|                                                                    |  | DATE (YYYY-MM-DD)<br>2019-04-08 | GENERAL TOLERANCE<br>DIN ISO 2768-1m | PROJECTION METHOD<br> |
| DESCRIPTION<br><b>Three Phase Common<br/>Mode Power Line Choke</b> |  |                                 | ORDER CODE<br><b>FKS744833027110</b> |                       |
| SIZE/TYPE<br>3XL                                                   |  |                                 | STATUS<br>Valid                      |                       |

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                          | $T_{s \text{ typical}}$ | 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



RoHS  
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REACH  
COMPLIANT



HALOGEN  
FREE



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DATE (YYYY-MM-DD)  
2019-04-08

GENERAL TOLERANCE  
DIN ISO 2768-1m

PROJECTION METHOD  


DESCRIPTION  
**Three Phase Common  
Mode Power Line Choke**

ORDER CODE  
**FKS744833027110**

SIZE/TYPE  
3XL

STATUS  
Valid