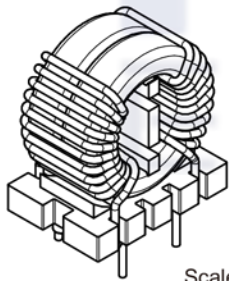
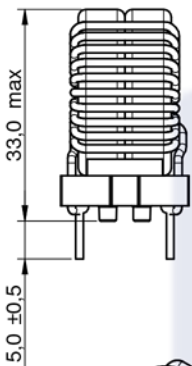
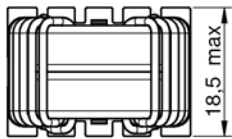
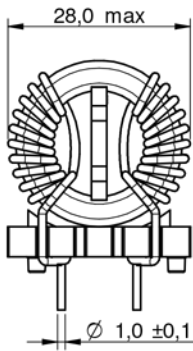
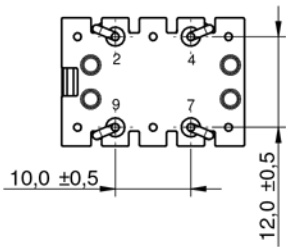
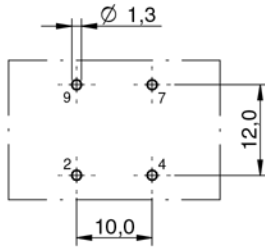


Dimensions: [mm]



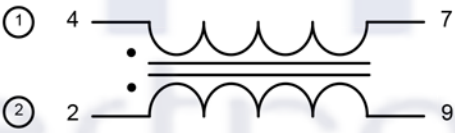
Scale - 1:1

Recommended Hole Pattern: [mm]



Scale 1:1

Schematic:



Electrical Properties:

| Properties              |                 | Test conditions     | Value | Unit   | Tol. |
|-------------------------|-----------------|---------------------|-------|--------|------|
| Inductance              | L               | 10 kHz/ 0.1 mA      | 470   | µH     | ±50% |
| Rated Current           | I <sub>R</sub>  | @ 70 °C             | 9     | A      | max. |
| DC Resistance           | R <sub>DC</sub> | @ 20 °C             | 16    | mΩ     | max. |
| Rated Voltage           | U <sub>R</sub>  | 50 Hz               | 250   | V (AC) | max. |
| Insulation Test Voltage | U <sub>T</sub>  | 50 Hz/ 5 mA/ 2 sec. | 1500  | V (AC) |      |

General Properties:

|                                                                                                             |                     |
|-------------------------------------------------------------------------------------------------------------|---------------------|
| 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                                                                                     |                     |
| Test conditions of Electrical Properties: +20 °C, 33 % RH if not specified differently                      |                     |

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DATE (YYYY-MM-DD)  
2018-12-01

GENERAL TOLERANCE  
DIN ISO 2768-1m

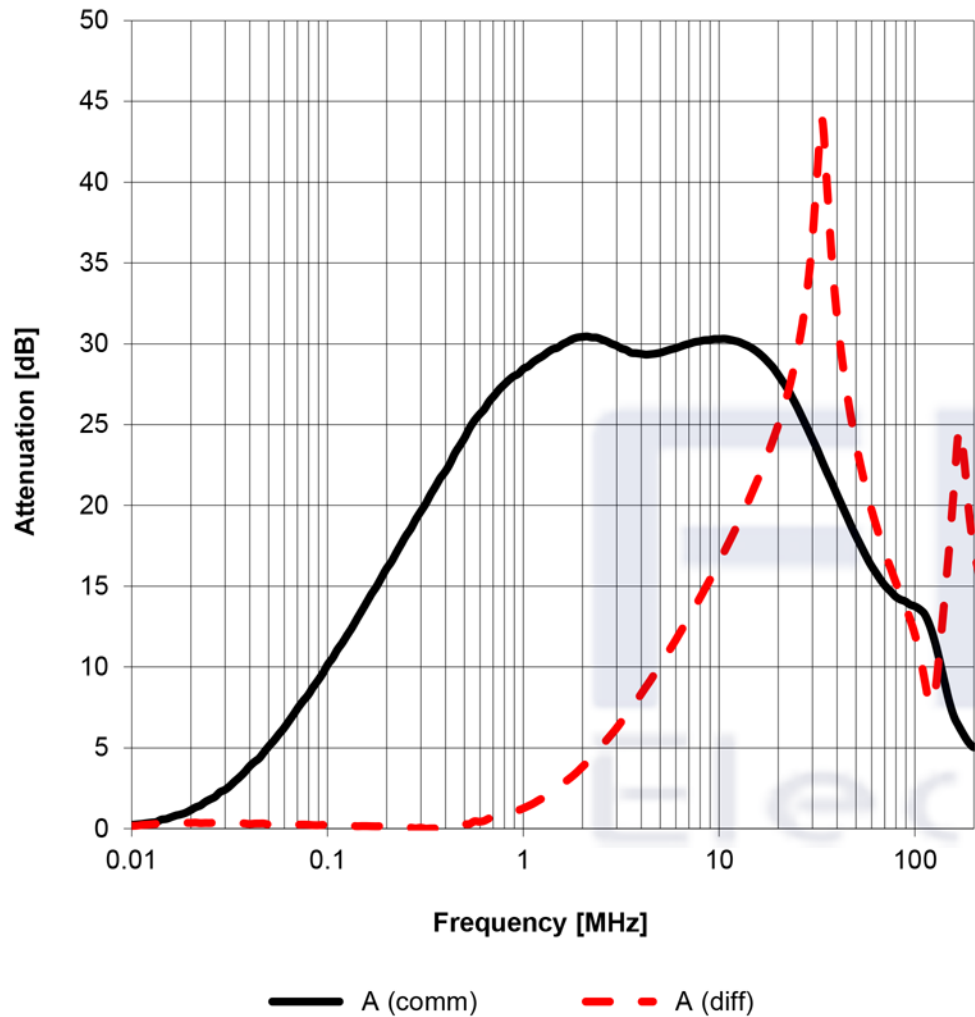
PROJECTION METHOD

DESCRIPTION  
**Common Mode Power Line Choke**

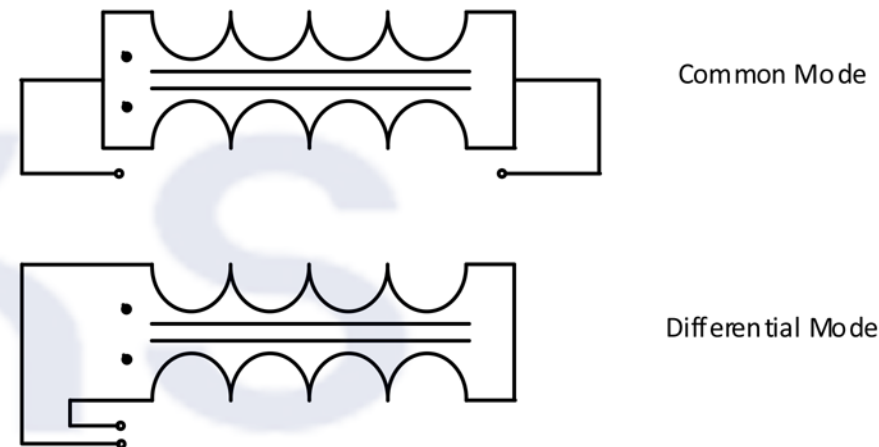
SIZE/TYPE  
L

ORDER CODE  
**FKS744844471**

Typical Insertion Loss:

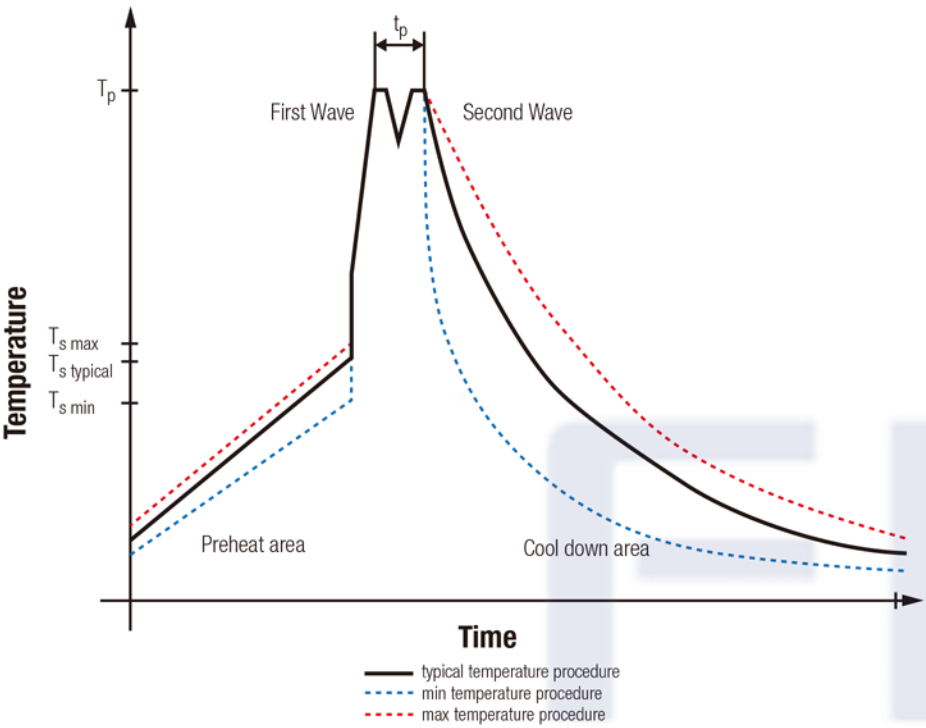


Test Setup:



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                        |                                      |                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | DATE (YYYY-MM-DD)<br>2018-12-01                        | GENERAL TOLERANCE<br>DIN ISO 2768-1m | PROJECTION METHOD<br> |
|   <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> |  | DESCRIPTION<br><b>Common Mode Power<br/>Line Choke</b> |                                      | ORDER CODE<br><b>FKS744844471</b>                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | SIZE/TYPE<br>L                                         |                                      |                                                                                                            |

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

|                |  |                                                    |                                      |                                                                                                            |
|----------------|--|----------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------|
|                |  | DATE (YYYY-MM-DD)<br>2018-12-01                    | GENERAL TOLERANCE<br>DIN ISO 2768-1m | PROJECTION METHOD<br> |
|                |  | DESCRIPTION<br><b>Common Mode Power Line Choke</b> |                                      | ORDER CODE<br><b>FKS744844471</b>                                                                          |
| SIZE/TYPE<br>L |  |                                                    |                                      |                                                                                                            |



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