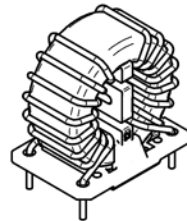
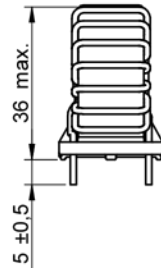
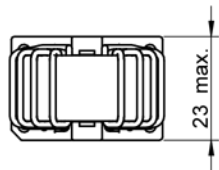
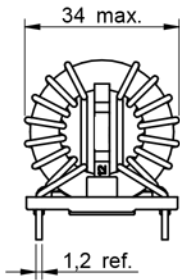
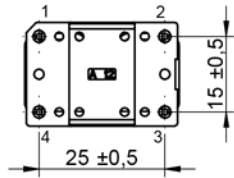
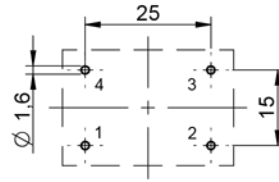


**Dimensions: [mm]**



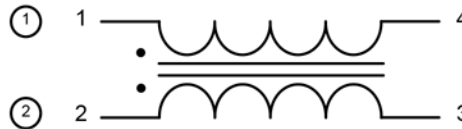
Scale - 1:1,5

**Recommended Hole Pattern: [mm]**



Scale - 1:1,5

**Schematic:**



**Electrical Properties:**

Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz/ 0.1 mA	L	2x12	mH	+50%/-30%
Rated Current	@ 70 °C	I <sub>R</sub>	10	A	max.
DC Resistance	@ 20 °C	R <sub>DC</sub>	2x15	mΩ	max.
Rated Voltage	50 Hz	U <sub>R</sub>	250	V (AC)	max.
Insulation Test Voltage	50 Hz/ 5 mA/ 2 sec.	U <sub>T</sub>	1500	V (AC)	

**General Properties:**

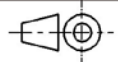
It is recommended that the temperature of the component does not exceed +125°C under worst case conditions	
Storage Temperature (in original packaging)	-20 °C up to +60 °C
Operating Temperature	-40 °C up to +125 °C
Temperature Rise < 55K	
Test conditions of Electrical Properties: +20°C, 33% RH if not specified differently	

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 Tel: +86-29-8868 5333  
 Fax: +86-29-8868 0913



GENERAL TOLERANCE  
DIN ISO 2768-1m

PROJECTION  
METHOD



DESCRIPTION  
**Common Mode Power  
Line Choke Nanocrystalline**

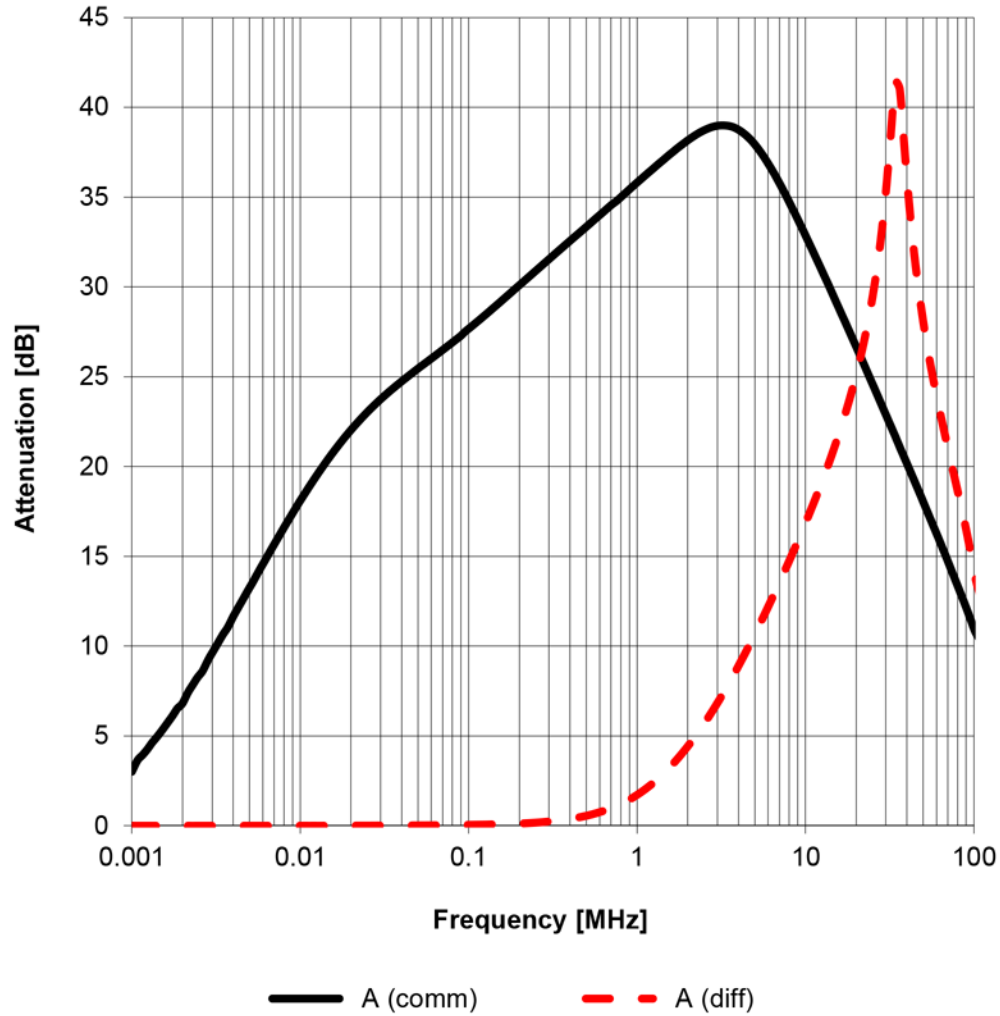
ORDER CODE  
FKS7448051012

SIZE  
XL

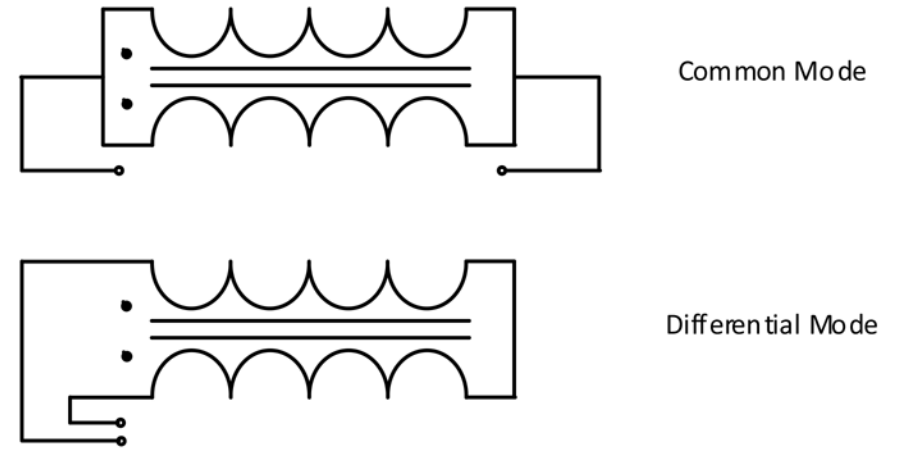
REVISION  
001.003

STATUS  
Valid

**Typical Insertion Loss:**



**Test Setup:**

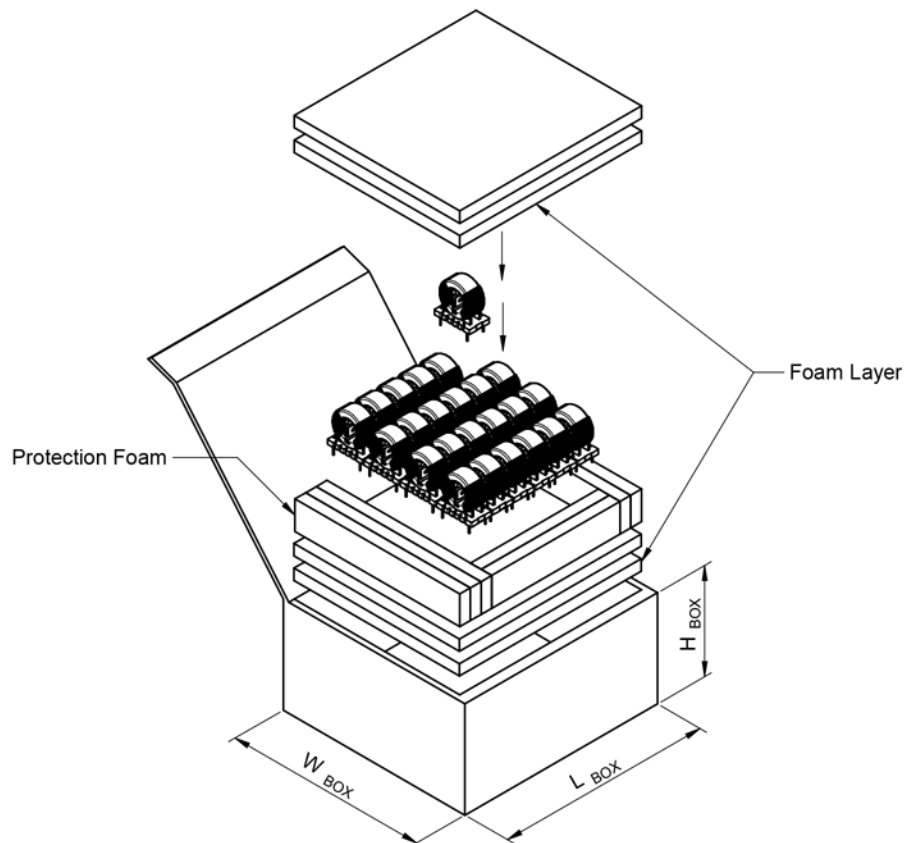


Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913		GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
DESCRIPTION <b>Common Mode Power                  Line Choke Nanocrystalline</b>		ORDER CODE FKS7448051012	
SIZE XL	REVISION 001.003	STATUS Valid	

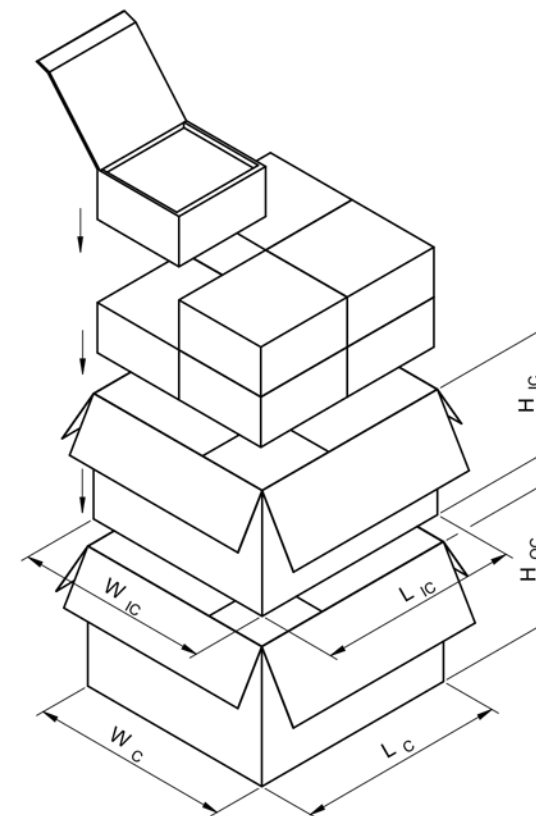
**FKS**  
Electronics



# Packaging Specification - Carton: [mm]



L <sub>BOX</sub> (mm)	W <sub>BOX</sub> (mm)	H <sub>BOX</sub> (mm)	No. of Protection Foam	No. of Layer	Packaging Unit	Material
typ.	typ.	typ.	pcs.	pcs.	pcs.	
180,00	170,00	90,00	7	4	24	Paper

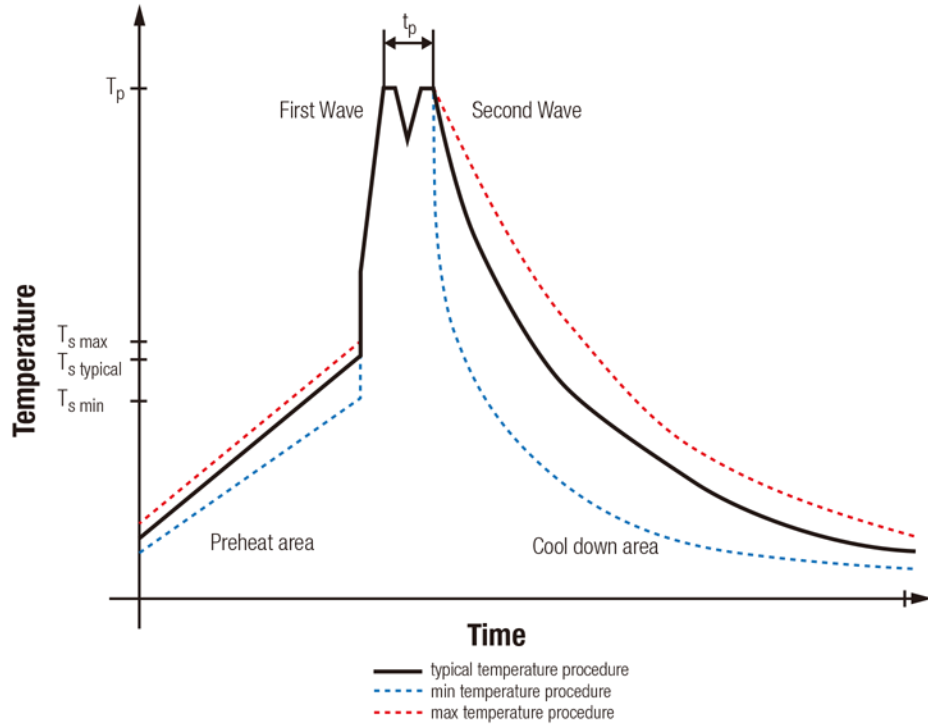


L <sub>IC</sub> (mm)	W <sub>IC</sub> (mm)	H <sub>IC</sub> (mm)	L <sub>OC</sub> (mm)	W <sub>OC</sub> (mm)	H <sub>OC</sub> (mm)	No. of box	No. of inner Carton	Packaging Unit	Material
typ.	typ.	typ.	typ.	typ.	typ.	pcs.	pcs.	pcs.	
356,00	350,00	226,00	378,00	362,00	252,00	8	1	192	Paper

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DESCRIPTION <h2 style="text-align: center;">Common Mode Power Line Choke Nanocrystalline</h2>					
ORDER CODE <h3 style="text-align: right;">FKS7448051012</h3>					
SIZE	REVISION	STATUS			
XL	001.003	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	$T_{s\ typical}$	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 max. 5 seconds each wave	max. 10 seconds 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

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**FKS**  
 Electronics



GENERAL TOLERANCE  
 DIN ISO 2768-1m

PROJECTION  
 METHOD



DESCRIPTION  
**Common Mode Power  
 Line Choke Nanocrystalline**

ORDER CODE

FKS7448051012

SIZE  
 XL

REVISION  
 001.003

STATUS  
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