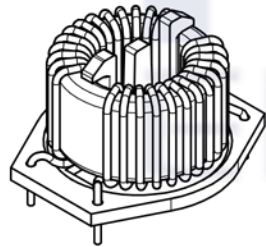
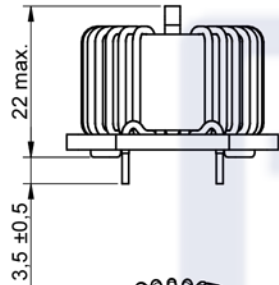
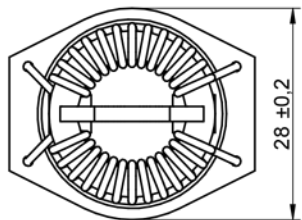
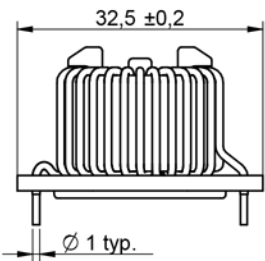
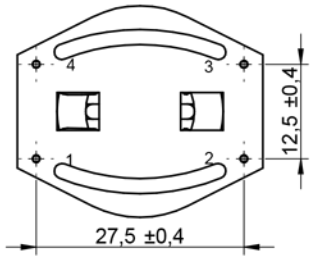


**Dimensions: [mm]**



Scale - 1:1

**Schematic:**



**Electrical Properties:**

Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz/ 0.1 mA	L	2x20	mH	±30
Rated Current	@ 70 °C	I <sub>R</sub>	2	A	max.
DC Resistance		R <sub>DC</sub>	2x230	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	

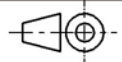
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.  
 FKS(Xi'an) Electronic Technology Co.,Ltd.  
 Address: B1 Building,Western Cloud Valley,Fengxi New Town,  
 Xixian New Area,Xi'an City, Shaanxi Province,China.  
 Tel: +86-29-8868 5333  
 Fax: +86-29-8868 0913

**FKS**  
Electronics



GENERAL TOLERANCE  
DIN ISO 2768-1m

PROJECTION  
METHOD

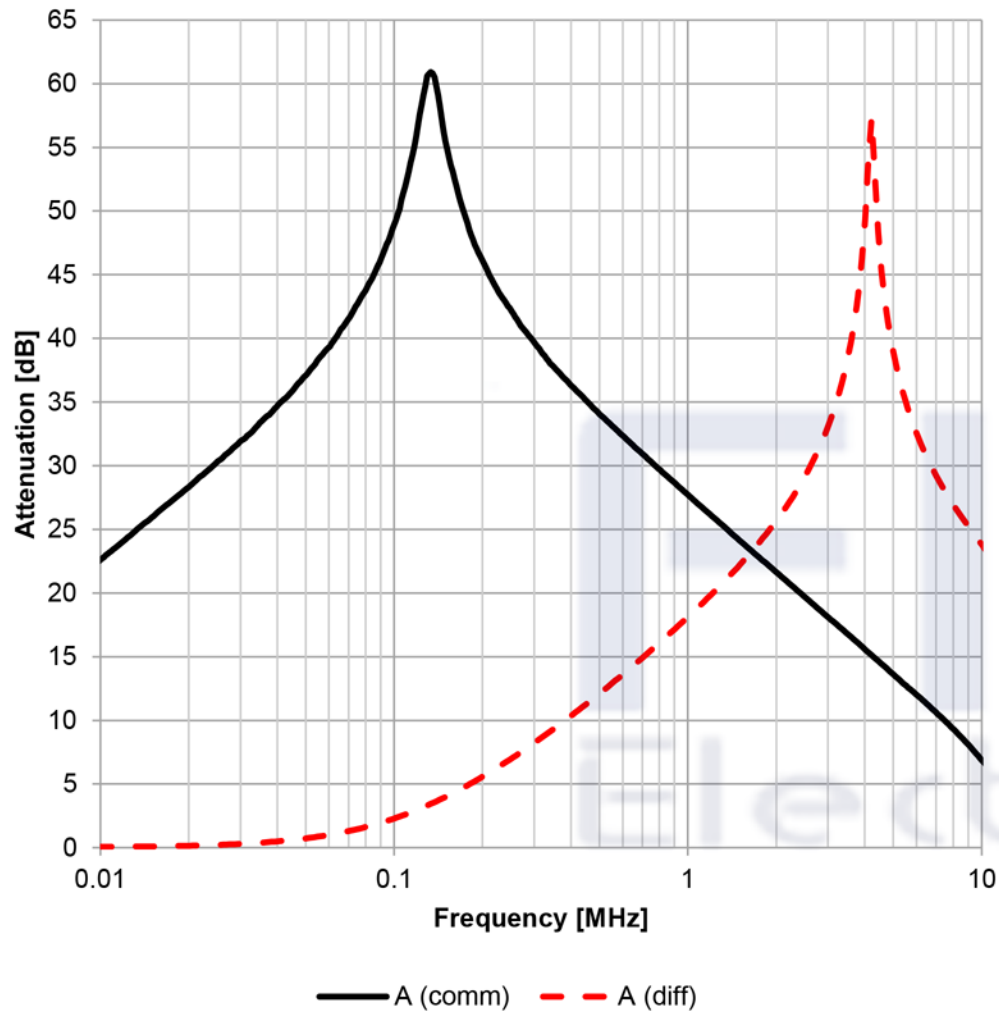


**Common Mode Power  
Line Choke (Horizontal)**

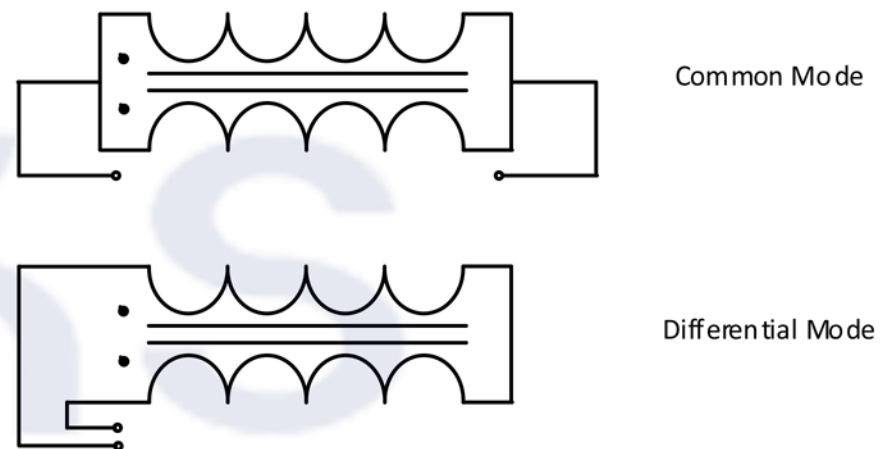
ORDER CODE  
FKS744834220

SIZE	REVISION	STATUS
L	002.000	Valid

### Typical Insertion Loss Characteristics:



### Test Setup:

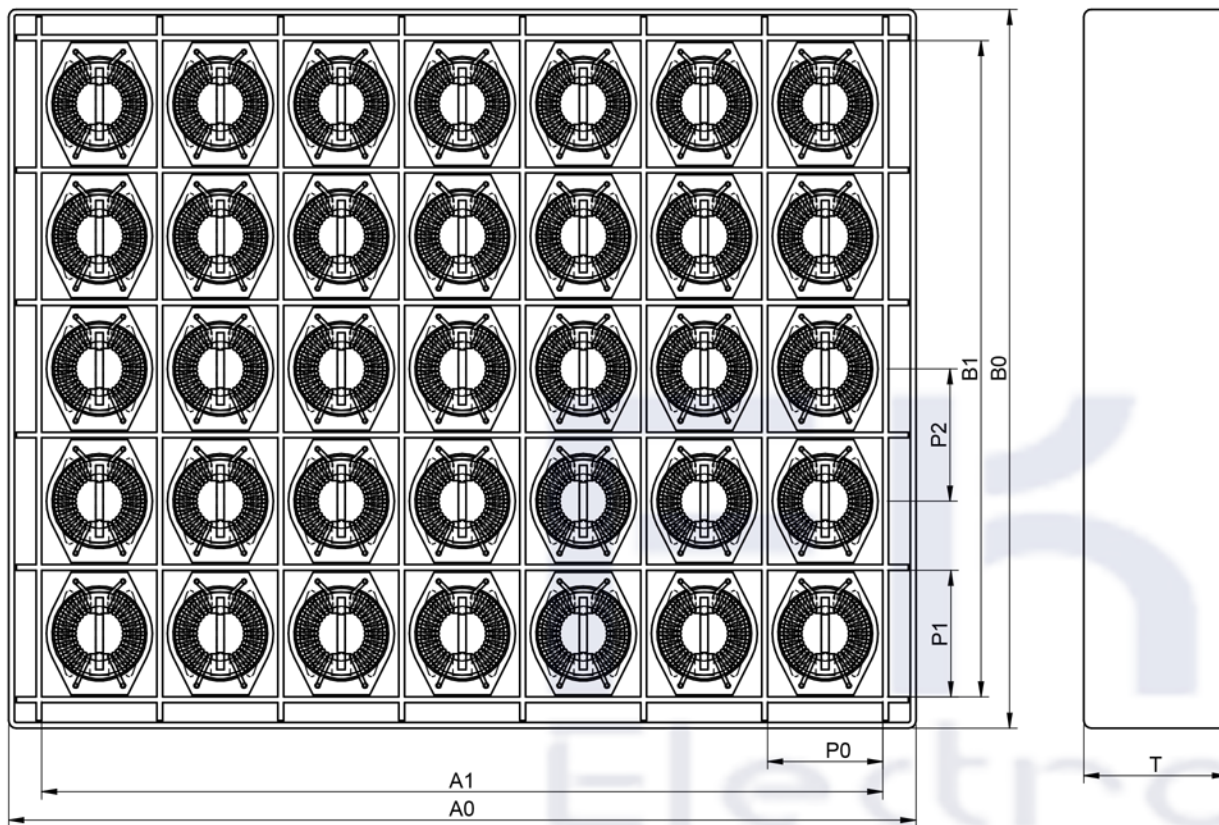


Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913		GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
DESCRIPTION <b>Common Mode Power                  Line Choke (Horizontal)</b>		ORDER CODE FKS744834220	
SIZE L	REVISION 002.000	STATUS Valid	

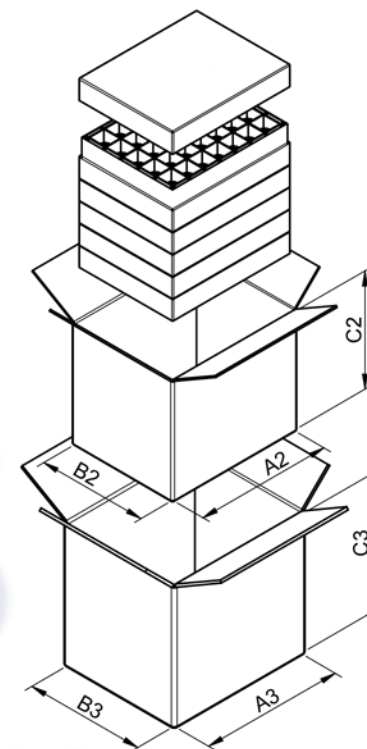
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Electronics



# Packaging Specification - Tray: [mm]



	A0	B0	P0	P1	P2	T	A1	B1	Case	VPE / packaging unit
tolerance	typ.	typ.	ref.	ref.	ref.	typ.	ref.	ref.		pcs.
IndCMBH	245	195	30.5	33.5	35	30	222.5	173.5	Paper	35

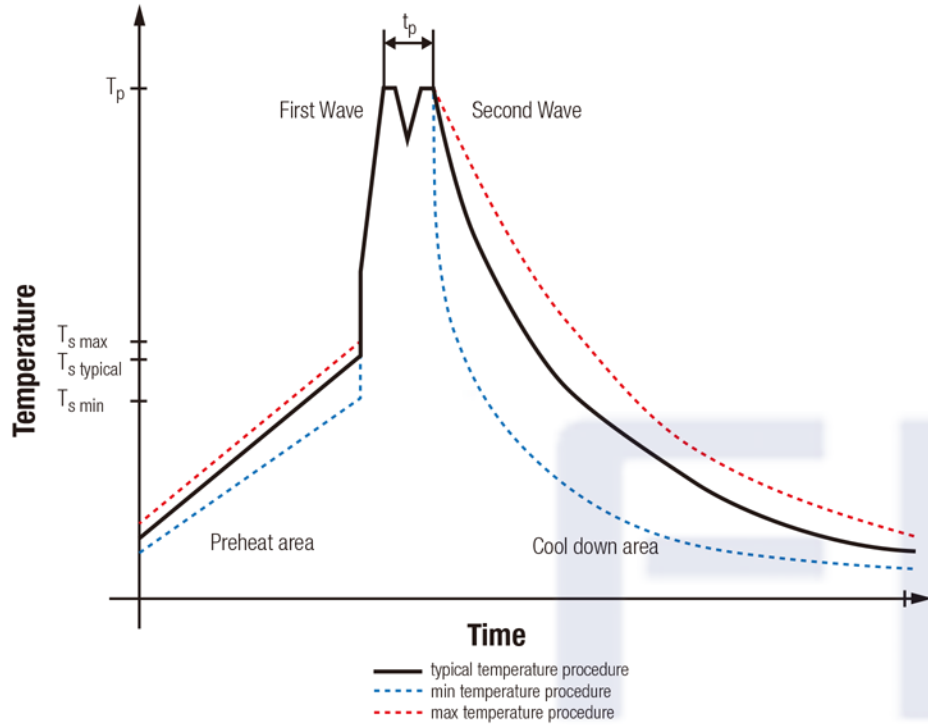


	No. of Trays	Inner Carton	A2	B2	C2	Master Carton	A3	B3	C3	Packaging Unit
tolerance			typ.	typ.	ref.		ref.	ref.	typ.	
IndCMBH	6	1	260	210	217	1	275	232	255	210

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DESCRIPTION <h3>Common Mode Power Line Choke (Horizontal)</h3>				ORDER CODE FKS744834220		
SIZE	REVISION	STATUS				
L	002.000	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 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

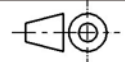
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**FKS**  
 Electronics



GENERAL TOLERANCE  
 DIN ISO 2768-1m

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 METHOD



DESCRIPTION  
**Common Mode Power  
 Line Choke (Horizontal)**

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